

Protection Tapes / Insulation Tapes Silicone Tapes / Gasket Tapes Tadpole Tapes / Lacing Tapes (cord)

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Thermal, EMI/RFI & Abrasion Protection Materials

Fax Orders: 610-340-9054 Telephone Orders: 610-906-3549 orders@abthermal.com

Kevlar® Woven Aramid Tape Premium Grade

320°F / 160°C: FlameShield™ : High Temperature & Heat Resistant, High Strength Tape / Webbing

Meets MIL-T-87130

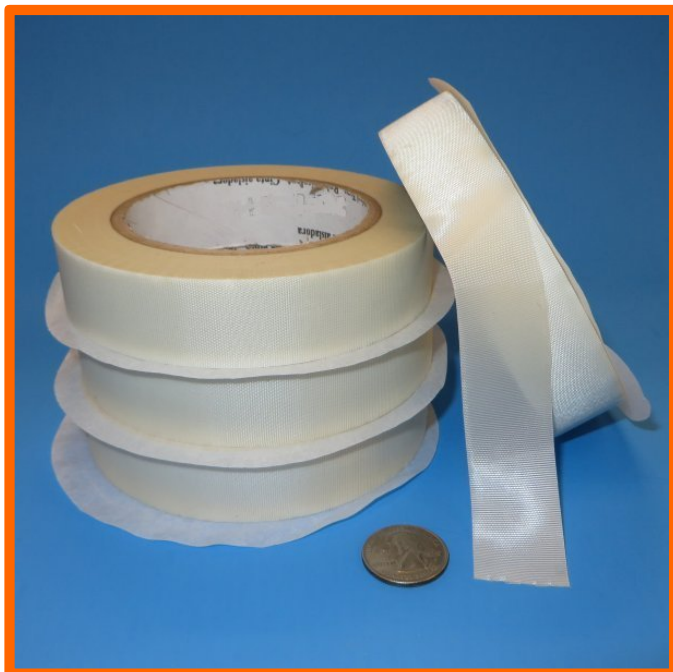


- Soft and pliable, highly flexible.
- Halogen & asbestos free.
- 20 times stronger than steel.
- Highly cut resistant.
- Available in natural (yellow) color.

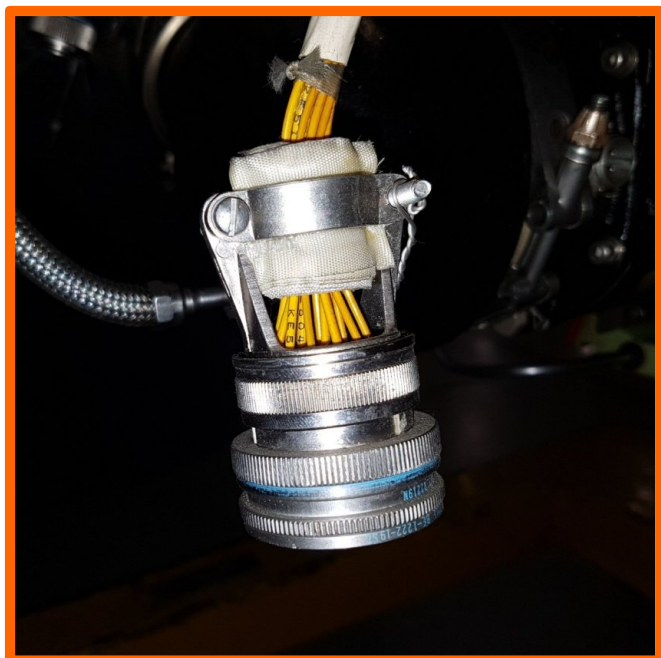
320°F / 160°C maximum continuous rating with high insulation value & excellent personnel protection. Short term exposure to 572°F / 300°C

FlameShield™ High Temperature & Heat Resistant Woven Kevlar® Aramid Tape - Premium Grade			
Part Number	Width	Thickness	Tensile Strength, lbs
T-KF-W-M025-16-014	1"	.014"	1500
T-KF-W-M025-16-025	1"	.025"	2500
T-KF-W-M025-16-055	1"	.055"	6000
T-KF-W-M038-24-023	1.5"	.023"	3000
T-KF-W-M038-24-057	1.5"	.057"	NA
T-KF-W-M038-24-069	1.5"	.069"	NA
T-KF-W-M038-24-079	1.5"	.079"	NA

**Fiberglass Glass Cloth Fine Weave Tape with Silicone Adhesive.
Meets MIL-I-19166C / A-A-59770A Type IV
392°F / 200°C: Glass Cloth High Temperature & Heat Resistant High Adhesion Tape -
Electrical Insulation Tape**

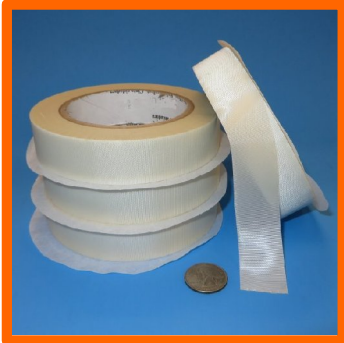


- FlameShield™ 19166 and RG48 glass cloth tape is a high temperature fine weave fiberglass tape with a very high adhesion thermosetting silicone adhesive.
- High mechanical strength.
- 2000 volt dielectric strength minimum. Insulation resistance is 4.8×10^4 megohms
- .007" total thickness (5mil glass w/2 mil adhesive). 0.178mm total thickness.
- Meets Mil-i-19166C / A-A-59770A Type IV.
- Non Mil-Spec version available.
- Adhesion of 30oz/in. (3.3 N/cm) to steel.
- Tensile strength 150 lbs/in. Elongation at break is 5%.
- NEMA Insulation class "H". Maximum continuous temperature of 356°F / 180°C.
- Maximum operating temperature is 392°F / 200°C.
- Base glass material rated for 1200°F / 648°C. Silicone adhesive will "smoke" off at temperatures above 460°F / 237°C.
- This tape is widely used for electrical installations and repairs. Used on splices requiring high abrasion resistance and mechanical strength. Widely used in Marine and aviation applications as a backshell clamp bushing.
- Flame retardant to UL 510
- 5 year shelf life from date of manufacture when stored 50°F/10°C to 80°F/27°C and <75% relative humidity.
- 12 rolls per case (11.3" x 11.3" x 11.3"). 432 rolls per pallet (36 cases). Pallet gross weight 744 pounds. Pallet 48" x 42" x 39" high.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).



This tape is commonly used as a backshell clamp bushing

**Fiberglass Glass Cloth Fine Weave Tape with Silicone Adhesive
Meets MIL-I-19166C / A-A-59770A Type IV (Continued)
392°F / 200°C: Glass Cloth High Temperature & Heat Resistant High Adhesion Tape -
Electrical Insulation Tape**



FlameShield™ High Temperature Fiberglass Tape with Silicone Adhesive Meets Mil-I-19166C / A-A-59770A Type IV		
Part Number	Tape Width inch / mm	
T-FG-SA-19166-M013-08	0.5	13
T-FG-SA-19166-M019-12	0.75	19
T-FG-SA-19166-M025-16	1.0	25
T-FG-SA-19166-M038-24	1.5	38
T-FG-SA-19166-M051-32	2.0	51
T-FG-SA-19166-M076-48	3.0	76
Other widths available – please inquire		

- 0.5", 0.75" and 1" wide tapes are normally stock; 1.5" and 2" wide are custom slit from a log and usually takes 2 to 3 days to process through our cutting room.
- This tape is slit from a master log - other widths than those listed are available.
- Standard length is 66 Feet / 20 Metres, rolled.
- RG48 part number applies.
- Designed for use in 600-volt dry location applications such as for transformers and motors, both with and without varnish coatings.
- Qualifies for UL 200°C service. Qualifies for CSA 180°C service.
- Other applications include furnace power supply leads; securing non-psa insulation, splicing SF and SFF rated wire (150°C and 180°C); reinsulating and repair of coils on mining equipment; adding abrasion resistance to silicone tape splices; SA type wire splicing in heat treat areas.

Glass Cloth Electrical Tape with Silicone Adhesive - Industrial 500°F / 260°C: High Temperature & Heat Resistant High Adhesion Tape - Mechanical and Electrical



- FlameShield™ glass cloth tape is a high temperature fine weave fiberglass tape with a very high adhesion silicone adhesive on one side.
- 3000 volt dielectric strength. 0.007" total thickness. Adhesion of approx 40oz/in.
- Tensile strength approx 180 lbs/in.
- This tape is widely used for electrical installations and repairs. Used on splices requiring high abrasion resistance and mechanical strength.
- Mil-Spec version meeting MIL-I-19166 available -widely used in marine and aviation applications.
- Used for masking in paint spray applications.
- Used on heat sealing machinery for higher temperature performance than PTFE tapes.
- Used to finish the ends of high temperature gasket ropes, seals, tapes & tadpole gaskets.

FlameShield™ High Temperature High Strength Fiberglass Glass Cloth Tape with Silicone Adhesive		
Part Number	Tape Width	
	inch	mm
T-FG-SA-M003-02	0.125	3.17
T-FG-SA-M006-04	0.250	6.35
T-FG-SA-M010-06	0.375	10
T-FG-SA-M013-08	0.500	13
T-FG-SA-M016-10	0.625	16
T-FG-SA-M019-12	0.750	19
T-FG-SA-M022-14	0.875	22
T-FG-SA-M025-16	1.00	25
T-FG-SA-M032-20	1.25	32
T-FG-SA-M038-24	1.50	38
T-FG-SA-M045-28	1.75	45
T-FG-SA-M051-32	2.00	51
T-FG-SA-M064-40	2.50	64
T-FG-SA-M076-48	3.00	76
T-FG-SA-M102-64	4.00	102
T-FG-SA-M152-96	6.00	152

Standard length is 108 feet / 36 Yards / 32.9 Metres

- This tape is slit from a master log - other widths than those listed are available.

Glass-Silicone Tape with PSA Silicone Adhesive

500°F / 260°C: High Temperature & Heat Resistant High Adhesion Tape - Mechanical and Electrical



- FlameShield™ glass-silicone tape is a high temperature tape designed to withstand grit blasting abrasion and plasma spray.
- Excellent strength and flexibility.
- Easily covers complex shapes.
- Available with a liner.
- Used as a high performance masking tape for metal and ceramic plasma spray operations.
- Extensively used in aviation.
- Available in standard and custom widths from 0.25" to 48" wide.
- Total thickness is 0.012". Backing is 0.008" and the silicone adhesive is 0.004" thick.
- Adhesion to steel: 50 oz/in. Tensile strength 100 lb/in. Dielectric strength min 7000 volts.
- Color: white

FlameShield™ High Temperature High Strength Glass-Silicone Tape with Silicone Adhesive		
Part Number	Tape Width	
	inch / mm	
T-FGSR-SILA-0.250-M006-X	0.250	6.35
T-FGSR-SILA-0.375-M010-X	0.375	10
T-FGSR-SILA-0.500-M013-X	0.500	13
T-FGSR-SILA-0.625-M016-X	0.625	16
T-FGSR-SILA-0.750-M019-X	0.750	19
T-FGSR-SILA-0.875-M022-X	0.875	22
T-FGSR-SILA-1.000-M025-X	1.00	25
T-FGSR-SILA-1.250-M032-X	1.25	32
T-FGSR-SILA-1.500-M038-X	1.50	38
T-FGSR-SILA-1.750-M045-X	1.75	45
T-FGSR-SILA-2.000-M051-X	2.00	51
T-FGSR-SILA-2.500-M064-X	2.50	64
T-FGSR-SILA-3.000-M076-X	3.00	76
T-FGSR-SILA-4.000-M102-X	4.00	102
T-FGSR-SILA-6.000-M152-X	6.00	152

Standard length is 108 feet / 36 Yards / 32.9 Metres

- For the "X" value: use WL for with liner; use NL for no liner
- This tape is slit from a master log - other widths than those listed are available.

Silicone Rubber 1-side Coated Knitted Fiberglass Tape: *Non-Adhesive* 500°F / 260°C: High Temperature, Heat & Flame Resistant Industrial Tape & Wrap



- FlameShield™ Industrial Tape & Wrap, available in 1" width increments up to 5 inches, is made from a knitted base material. This tape has an approximate 5% elongation capability in the lengthwise direction and 15% in the width wise direction, making for easy installations due to its self compressive characteristic when slightly stretched during wrapping. Tape is 0.142" / 3.6mm thick nominal.
- A Heavy Duty version Tape & Wrap (part number AB-FTHD), available in widths from ½" through 40" wide, is made from our heaviest grade 98 oz/yd² woven material. Due to the base material being woven instead of knitted, the FTHD tape has negligible elongation capability in all directions.
- Also an excellent cold temperature tape with flexibility to -76°C for refrigeration and cryogenic applications.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

500°F / 260°C continuous rating with weld splatter / molten metal splash protection.
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

FlameShield™ High Temperature Silicone Rubber 1 side Coated Fiberglass Industrial Tape & Wrap – Non Adhesive		
Part Number	Tape Width inch / mm	
T-FG-SR1-1.00-M025-X	1	25
T-FG-SR1-2.00-M051-X	2	51
T-FG-SR1-3.00-M076-X	3	76
T-FG-SR1-4.00-M102-X	4	102
T-FG-SR1-5.00-M127-X	5	127

For the "X" value, use "R" for Full Spool, use "F" for By-The-Foot

Standard length is 100 Feet / 30 Metres, rolled. Available by-the-foot

High Temperature Tape & Wrap is typically used to wrap hydraulic hoses, lines, cables and wiring when a sleeve cannot be installed. The base fabric is a knitted fiberglass, and provides the tape with a small amount of elongation or stretch capability; which allows the over-wrap to hold tight onto what is being wrapped due to the compression that exists when stretched. Band clamps, wire ties or other fasteners can be used to secure the tape if necessary along the wrapped length or at the end of the wrap. An alternative to using Tape is Sleeve with VC, which is a sleeve with Velcro closure.

To aid in mounting this tape onto surfaces, FlangeStik™ pressure sensitive adhesive spray can be used to place the tape in situ temporarily. Permanent fasteners or grab strips should be installed prior to heating of the area sprayed above 200°F. The adhesive will "smoke-off" at elevated temperatures.

Silicone Rubber 2-side Coated Knitted Fiberglass Tape: *Non-Adhesive* 500°F / 260°C: High Temperature, Heat & Flame Resistant Industrial Tape & Wrap



- FlameShield™ Industrial Tape & Wrap, available in 1" width increments up to 5 inches, is made from a knitted base material. This tape has an approximate 5% elongation capability in the lengthwise direction and 15% in the width wise direction, making for easy installations due to its self compressive characteristic when slightly stretched during wrapping. We take our 1-side coated tape and coat the exposed fiberglass side with our silicone rubber sealant paste. Tape is 0.200" / 5.1mm thick nominal.
- A Heavy Duty version Tape & Wrap (part number AB-FTHD), available in widths from ½" through 40" wide, is made from our heaviest grade 98 oz/yd² woven material. Due to the base material being woven instead of knitted, the FTHD tape has negligible elongation capability in all directions.
- Also an excellent cold temperature tape with flexibility to -76°C for refrigeration and cryogenic applications.

500°F / 260°C continuous rating with weld splatter / molten metal splash protection.
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

FlameShield™ High Temperature Silicone Rubber 2-side Coated Fiberglass Industrial Tape & Wrap – Non Adhesive		
Part Number	Tape Width	
	inch	mm
T-FG-SR2-1.00-M025-X	1	25
T-FG-SR2-2.00-M051-X	2	51
T-FG-SR2-3.00-M076-X	3	76
T-FG-SR2-4.00-M102-X	4	102
T-FG-SR2-5.00-M127-X	5	127

For the "X" value, use "R" for Full Spool, use "F" for By-The-Foot

Standard length is 100 Feet / 30 Metres. Available by-the-foot.

High Temperature Tape & Wrap is typically used to wrap hydraulic hoses, lines, cables and wiring when a sleeve cannot be installed. The base fabric is a knitted fiberglass, and provides the tape with a small amount of elongation or stretch capability; which allows the over-wrap to hold tight onto what is being wrapped due to the compression that exists when stretched. Band clamps, wire ties or other fasteners can be used to secure the tape if necessary along the wrapped length or at the end of the wrap. An alternative to using Tape is Sleeve with VC, which is a sleeve with Velcro closure.

To aid in mounting this tape onto surfaces, FlangeStik™ pressure sensitive adhesive spray can be used to place the tape in situ temporarily. Permanent fasteners or grab strips should be installed prior to heating of the area sprayed above 200°F. The adhesive will "smoke-off" at elevated temperatures.

Silicone Rubber Coated Woven Fiberglass Tape: Heavy Duty Woven Non-Adhesive 500°F / 260°C: High Temperature, Heat & Flame Resistant Heavy Duty Tape & Wrap



This tape can also be layered and stitched with either face on each side for use as a flange gasket. Multiply price by 2.5 times for 2 layer tape.

Heavy Duty Tape & Wrap, from 1/2" through 40" wide is made by slitting from our heaviest grade 98 oz/yd² material

This tape is made from a heavy woven base fabric, which provides for very little elongation capability. This tape is stiffer than the T-FG-SR series tapes. This tape may have edge fray as it is produced by slitting a roll fabric material.

Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

To aid in mounting this tape onto surfaces, FlangeStik™ pressure sensitive adhesive spray can be used to place the tape in situ temporarily. Permanent fasteners or grab strips should be installed prior to heating of the area sprayed above 200°F. The adhesive will "smoke-off" at elevated temperatures.

FlameShield™ High Temperature Silicone Rubber Coated Fiberglass Heavy Duty Tape & Wrap	
Part Number	Width inch / mm / -dash
T-FGHD-SRHD-0.50-M013	½ / 13 / -08
T-FGHD-SRHD-0.75-M019	¾ / 19 / -12
T-FGHD-SRHD-1.00-M025	1 / 25 / -16
T-FGHD-SRHD-1.25-M032	1 ¼ / 32 / -20
T-FGHD-SRHD-1.50-M038	1 ½ / 38 / -24
T-FGHD-SRHD-1.75-M044	1 ¾ / 44 / -28
T-FGHD-SRHD-2.00-M051	2 / 51 / -32
T-FGHD-SRHD-2.25-M057	2 ¼ / 57 / -36
T-FGHD-SRHD-2.50-M064	2 ½ / 64 / -40
T-FGHD-SRHD-2.75-M070	2 ¾ / 70 / -44
T-FGHD-SRHD-3.00-M076	3 / 76 / -48
T-FGHD-SRHD-3.25-M083	3 ¼ / 83 / -52
T-FGHD-SRHD-3.50-M089	3 ½ / 89 / -56
T-FGHD-SRHD-3.75-M095	3 ¾ / 95 / -60
T-FGHD-SRHD-4.00-M102	4 / 102 / -64
T-FGHD-SRHD-4.25-M108	4 ¼ / 108 / -68
T-FGHD-SRHD-4.50-M114	4 ½ / 114 / -72
T-FGHD-SRHD-4.75-M121	4 ¾ / 121 / -76
T-FGHD-SRHD-5.00-M127	5 / 127 / -80
T-FGHD-SRHD-5.25-M133	5 ¼ / 133 / -84
T-FGHD-SRHD-5.50-M140	5 ½ / 140 / -88
T-FGHD-SRHD-5.75-M146	5 ¾ / 146 / -92
T-FGHD-SRHD-6.00-M152	6 / 152 / -96
T-FGHD-SRHD-6.25-M159	6 ¼ / 159 / -100
T-FGHD-SRHD-6.50-M165	6 ½ / 165 / -104
T-FGHD-SRHD-6.75-M171	6 ¾ / 171 / -108
T-FGHD-SRHD-7.00-M178	7 / 178 / -112
T-FGHD-SRHD-7.25-M184	7 ¼ / 184 / -116
T-FGHD-SRHD-7.50-M191	7 ½ / 191 / -120
T-FGHD-SRHD-7.75-M197	7 ¾ / 197 / -124
T-FGHD-SRHD-8.00-M203	8 / 203 / -128
T-FGHD-SRHD-8.25-M210	8 ¼ / 210 / -132
T-FGHD-SRHD-8.50-M216	8 ½ / 216 / -136
T-FGHD-SRHD-8.75-M222	8 ¾ / 222 / -140
T-FGHD-SRHD-9.00-M229	9 / 229 / -144
T-FGHD-SRHD-9.25-M235	9 ¼ / 235 / -148
T-FGHD-SRHD-9.50-M241	9 ½ / 241 / -152
T-FGHD-SRHD-9.75-M248	9 ¾ / 248 / -156
T-FGHD-SRHD-10.00-M254	10 / 254 / -160

Add "-C4" for double layer stitched (approx 0.27") thick

Tape is nominal 0.1350" / 3.4mm thick nominal single layer.

This product is available By-The-Foot. For sizes larger than 10" wide please call for a quote
500°F / 260°C continuous rating with weld splatter / molten metal splash protection.

Two-Side Silicone Rubber Coated Fiberglass Slit Tape & Wrap, Non-Adhesive, Weld Splatter Protection

500°F / 260°C: High Temperature, Heat & Flame Resistant



This tape is made from silicone rubber coated fabric; and is typically used as a gasket material or to wrap hydraulic hoses, lines, cables and wiring when a sleeve cannot be installed. The tape has an internal woven fiberglass fabric base which allows only a very minimal amount of bias elongation and negligible elongation along its width and length. (1-side coated tapes such as part number T-FG-SR provide higher elongation).

Tape thicknesses A is made by slitting the fabric roll, while thicknesses B and C are made by layering and stitching. Also an excellent cold temperature tape with flexibility to -76°C for refrigeration and cryogenic applications.

The edges of this tape can be sealed with our liquid silicone SleeveSeal™. This tape makes an excellent weatherproofing when sealed with SleeveSeal™ Tape or Dip or Paste.

500°F / 260°C continuous rating with weld splatter / molten metal splash protection

FlameShield™ High Temperature Two-Side Silicone Rubber Coated Fiberglass Tape & Wrap		
Part Number	Width in / mm	
	T-FG-SR-S2-M025-16-X	1.0
T-FG-SR-S2-M032-20-X	1.25	32
T-FG-SR-S2-M038-24-X	1.5	38
T-FG-SR-S2-M051-32-X	2.0	51
T-FG-SR-S2-M064-40-X	2.5	64
T-FG-SR-S2-M076-48-X	3.0	76
T-FG-SR-S2-M089-56-X	3.5	89
T-FG-SR-S2-M102-64-X	4.0	102
T-FG-SR-S2-M127-80-X	5.0	127
T-FG-SR-S2-M152-96-X	6.0	152
T-FG-SR-S2-M178-112-X	7.0	178
T-FG-SR-S2-M203-128-X	8.0	203
T-FG-SR-S2-M254-160-X	10.0	254

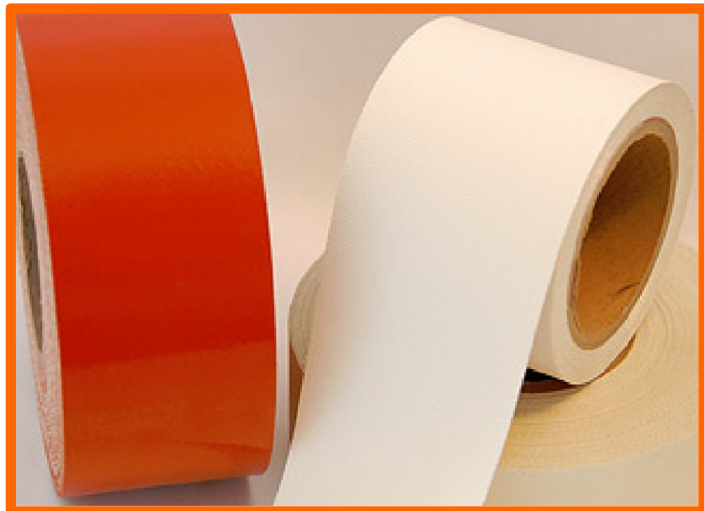
Available in any width up to 60"

- For the "X" value, specify A, B or C in part number to correspond to the desired thickness
A1 = 1/16" / .0625" / 1.59mm B2 = 1/8" / .125" / 3.18mm C4 = 1/4" / .250" / 6.35mm

Band clamps, wire ties or other fasteners can be used to secure the tape if necessary along the wrapped length or at the end of the wrap. An alternative to using this tape is to use sleeve with Velcro closure. For gasket applications, this tape can usually be secured with a silicone adhesive such as our AB-HTG-165 (general purpose high temperature silicone adhesive) or AB-SRB-201 (specialty adhesive for bonding silicone rubber components together). For larger sizes than 12" please call for a quote

To aid in mounting this tape onto surfaces, FlangeStik™ pressure sensitive adhesive spray can be used to place the tape in situ temporarily. Permanent fasteners or grab strips should be installed prior to heating of the area sprayed above 200°F. The adhesive will "smoke-off" at elevated temperatures.

Silicone Rubber Coated Fiberglass Reinforced Tape
Premium Grade (No Adhesive)
-100°F to 450°F / -73°C to 232°C: High Temperature Heat & Chemical Resistance
DeltaGlass™



- e-fiberglass core.
- Silicone rubber coating.
- Excellent release properties.
- High dielectric factor.

This fabric offers high temperature range with excellent resistance to almost all solvents, caustics and acids. Non-porous finish. Welding splatter, spark and molten splash resistant.

The base fabric is rated to 1200°F / 648°C.

Used as gaskets, safety curtains, conveyor belts. Used to wrap other insulation materials on piping to provide contamination protection.

Any Width Is Available Between 1/2" and 36 inches

450°F / 232°C continuous rating, high insulation value & excellent personnel protection

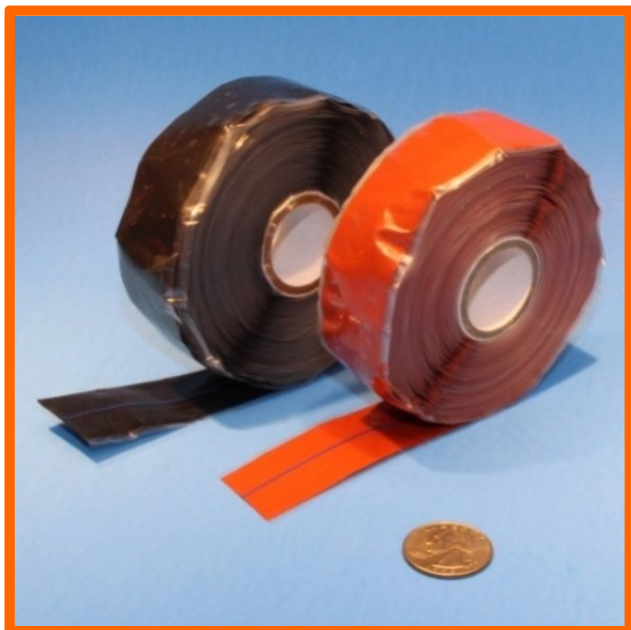
High Temperature, Heat & Chemical Resistance DeltaGlass™ E-glass Fiberglass Tape with Silicone Rubber Coating – Premium Grade			
Part Number	Thickness, in.	Tensile warp lbs/in	Weight oz/yd²
T-FG-SR2-P-009339-10-W	.0093	74	10
T-FG-SR2-P-015039-16-R/W	.0150	229	16
T-FG-SR2-P-020339-22-R	.0203	263	22
T-FG-SR2-P-022039-22-R/W	.0220	285	22
T-FG-SR1-P-023037.5-24-R*	.0230	350	24
T-FG-SR2-P-029539-32-R	.0295	286	32
T-FG-SR2-P-040039-41-W	.0400	410	41

- * This tape is coated with a saturation process that leave the reverse side fabric sealed but with no extra coverage over the base fabric that the other versions have.
- W at the end of the part number indicates white color. R indicates red color.

Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape (Meets MIL Spec MIL-I-46852 & A-A-59163)

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Self Binding / Self-Fusing / Self Amalgamating Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
 - ASTM D 149; provides minimum 400 V/mil. for .010" to .030" thick tape, 300 V/mil for .040" thick tape and 250 V/mil for .060" thick tape.
 - ASTM D 412; provides minimum 700 psi tensile strength and minimum 300% elongation.
 - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, AA59163 and ABS 5334 specifications. Certificate of Conformity available.
- Cross Reference Equivalents Available to MOX 600R and 600T levelwrap series; 602-1, 603-1, 604-1, 605-1, 606-1, 607-1. McDonnell Douglas / Boeing DMS-2186 Type I & II, McDonnell Douglas Helicopter HS5215, General Dynamics P5384, Martin Marietta MMS 517-6 Type II, McDonnell Douglas P.S. 17115, ST0130RB0078 Type I, 3003M70P01, MS70T09-S, WS1363A, Premier Farnell 810112, Safe Flight 59562-5, PLYSIL3455, TYT200-1, 66N, 67N and various NATO / National Stock Numbers (NSN).
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing wire and cable splices and joints with an almost totally smooth surface (prevents snagging when splice is pulled through obstructions).

FlameShield™ MIL Spec High Temperature Silicone Self Fusing Compression/Stretch Electrical Insulating Tape Meets MIL-I-46852 / A-A-59163 / ABS 5334 Specifications - Type I and Type II			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Color / Type / Profile
T-SR-M013-08-RXX-20	1/2 / 12.7	0.020 / 0.508	Black or Red / I / Rectangular
T-SR-M013-08-RXX-30	1/2 / 12.7	0.030 / 0.760	Black or Red / I / Rectangular
T-SR-M016-10-RXX-20	5/8 / 15.7	0.020 / 0.508	Black or Red / I / Rectangular
T-SR-M019-12-RXX-20	3/4 / 19	0.020 / 0.508	Black or Red / I / Rectangular
T-SR-M025-16-RXX-10	1 / 25.4	0.010 / 0.250	Black or Red / I / Rectangular
T-SR-M025-16-TXX-20	1 / 25.4	0.020 / 0.508	Black or Red / II / Triangular
T-SR-M025-16-RXX-20	1 / 25.4	0.020 / 0.508	Black or Red / I / Rectangular
T-SR-M025-16-TXX-30	1 / 25.4	0.030 / 0.760	Black or Red / II / Triangular
T-SR-M025-16-RXX-30	1 / 25.4	0.030 / 0.760	Black or Red / I / Rectangular
T-SR-M025-16-TXX-40	1 / 25.4	0.040 / 1.000	Black or Red / II / Triangular
T-SR-M025-16-RXX-40	1 / 25.4	0.040 / 1.000	Black or Red / I / Rectangular
T-SR-M038-24-RXX-12	1 1/2 / 38.1	0.012 / 0.304	Black or Red / I / Rectangular
T-SR-M038-24-RXX-20	1 1/2 / 38.1	0.020 / 0.508	Black or Red / I / Rectangular
T-SR-M038-24-TXX-60	1 1/2 / 38.1	0.060 / 1.524	Black or Red / II / Triangular
T-SR-M051-32-RXX-20	2 / 50.8	0.020 / 0.508	Black or Red / I / Rectangular
T-SR-M051-32-TXX-20	2 / 50.8	0.020 / 0.508	Black or Red / II / Triangular
Guideline Color on Type II Triangular Tapes Only: .020" = blue / .030" = white / .040" = green			

Please enquire for pricing on width and thickness other than those listed above.

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the XX value in the part number (color code): OR = Oxide-Red, BK = Black. Other colors available.
- Certificate of Conformity: Add \$6.00 for individual roll CofC. Lot/Batch CofC \$25.00 per order line item.
- Test Report: Add \$75.00 per order line item.

Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing wire and cable splices and joints with an almost totally smooth surface (prevents snagging when splice is pulled through obstructions).

FlameShield™ MIL Spec Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape - Technical Data

Specifications for FlameShield™ Silicone Rubber Tape (MIL-I-46852 & A-A-59163) Class 1 – Type I and Type II			
Property	Standard	Nominal Test Result or Tolerance	Test Method
Thickness: 1" wide tape 1.5" wide tape 2.0" wide tape	.010" .020" .030" .040" .020" .020"	+/- .002"	N/A
Width	0.50", 0.75", 1.00", 1.50", 2.00"	+/- .020"	N/A
Length	36 feet / 12 yards / 10.9m	+/- 6.00"	N/A
Color	Oxide-Red or Black	N/A	N/A
Guideline Color (Type II)	.020" Tapes: Blue .030" Tapes: White .040" Tapes: Green	N/A	N/A
Operating Temperature	-60°C to +260°C -76°F to +500°F	N/A	N/A
Brittle Temperature	-65°C / -85°F	N/A	N/A
Interleave Material	.002" thick Mylar	N/A	N/A
Tensile Strength	700 psi (minimum)	1100	ASTM D412 / D119
Dielectric Strength	.020" Tape: 400 V/mm .030" Tape: 400 V/mm .040" Tape: 300 V/mm	575	ASTM D-149
Dielectric Constant		2.94 @ 1Khz	ASTM D150
Volume Resistivity	1 x 10 ¹⁴ ohms/cm ³	3 x 10 ¹⁴	ASTM D149
Elongation	300% (minimum)	700	ASTM D412 / D119
Tear Strength	85 psi (minimum)	146	ASTM D624
Bond Strength (1" Width)	2 lbs (minimum)	5.5	ASTM D2148
Adhesion	Shall not unwind more than 1.0" after 3 minutes with 600g load	0.12"	ASTM D2148
Inclined Mandrel Tack Test (inch)		0.25	ASTM D2148
Water absorption (by wt)	3% Maximum	0.9%	FED-STD-601 Method 6251
Dissipation Factor		<0.0004 @ 1 KHz	ASTM D150
Hardness, durometer Shore A	55 - 65	55	ASTM D2148 / D2240
Flame Test		Pass	FAA 60 Sec Vertical

MIL-I-46852-1I0010 / -1I0020 / -1I0030 / -1I0040

Class 1 - Type I

MIL-I-46852-1II0020 / -1II0030 / -1II0040 / -1II0060

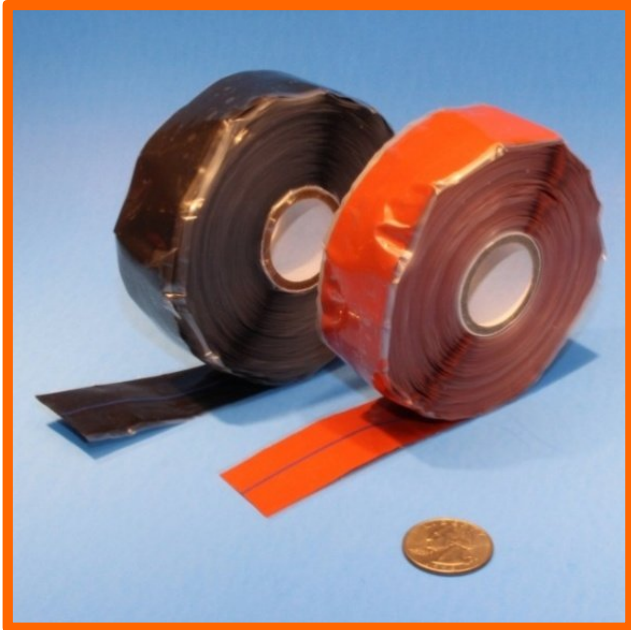
Class 1 - Type II

Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Self Binding / Self-Fusing / Self Amalgamating Tape -

High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
 - ASTM D 149; provides minimum 400 V/mil. for .010" to .030" thick tape, 300 V/mil for .040" thick tape and 250 V/mil for .060" thick tape.
 - ASTM D 412; provides minimum 700 psi tensile strength and minimum 300% elongation.
 - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, AA59163 and ABS 5334 specifications. Certificate of Conformity available.
- Cross Reference Equivalents Available to MOX 600R and 600T levelwrap series; 602-1, 603-1, 604-1, 605-1, 606-1, 607-1. McDonnell Douglas / Boeing DMS-2186 Type I & II, McDonnell Douglas Helicopter HS5215, General Dynamics P5384, Martin Marietta MMS 517-6 Type II, McDonnell Douglas P.S. 17115, ST0130RB0078 Type I, 3003M70P01, MS70T09-S, WS1363A, Premier Farnell 810112, Safe Flight 59562-5, PLYSIL3455, TYT200-1, 66N, 67N and various NATO / National Stock Numbers (NSN).
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing wire and cable splices and joints with an almost totally smooth surface (prevents snagging when splice is pulled through obstructions).

FlameShield™ MIL-I-46852 Specification High Temperature Silicone Self Fusing Compression/Stretch Electrical Insulating Tape

**MIL-I-46852-1I0020 / MIL-I-46852-1I0020 / MIL-I-46852-1I0030 / MIL-I-46852-1I0030
 MIL-I-46852-1I0040 / MIL-I-46852-1I0040**

Class 1 – Type I and Class 1 - Type II

Part Number	Tape Width Inches / mm	Thickness inches / mm	Color / Type / Profile
MIL-I-46852-1I0020-RXX-0.50	½" / 12.7	0.020" / 0.508	Black or Red / Type I / Rectangular
MIL-I-46852-1I0030-RXX-0.50	½" / 12.7	0.030" / 0.760	Black or Red / Type I / Rectangular
MIL-I-46852-1I0020-RXX-0.62	5/8" / 15.7	0.020" / 0.508	Black or Red / Type I / Rectangular
MIL-I-46852-1I0020-RXX-0.75	¾" / 19	0.020" / 0.508	Black or Red / Type I / Rectangular
MIL-I-46852-1I0010-RXX-1.00	1" / 25.4	0.010" / 0.250	Black or Red / Type I / Rectangular
MIL-I-46852-1I0020-RXX-1.00	1" / 25.4	0.020" / 0.508	Black or Red / Type I / Rectangular
MIL-I-46852-1I0020-TXX-1.00	1" / 25.4	0.020" / 0.508	Black or Red / Type II / Triangular
MIL-I-46852-1I0030-RXX-1.00	1" / 25.4	0.030" / 0.760	Black or Red / Type I / Rectangular
MIL-I-46852-1I0030-TXX-1.00	1" / 25.4	0.030" / 0.760	Black or Red / Type II / Triangular
MIL-I-46852-1I0040-RXX-1.00	1" / 25.4	0.040" / 1.000	Black or Red / Type I / Rectangular
MIL-I-46852-1I0040-TXX-1.00	1" / 25.4	0.040" / 1.000	Black or Red / Type II / Triangular
MIL-I-46852-1I0012-RXX-1.50	1 ½" / 38.1	0.012" / 0.304	Black or Red / Type I / Rectangular
MIL-I-46852-1I0020-RXX-1.50	1 ½" / 38.1	0.020" / 0.508	Black or Red / Type I / Rectangular
MIL-I-46852-1I0060-TXX-1.50	1 ½" / 38.1	0.060" / 1.524	Black or Red / Type II / Triangular
MIL-I-46852-1I0020-RXX-2.00	2" / 50.8	0.020" / 0.508	Black or Red / Type I / Rectangular
MIL-I-46852-1I0020-TXX-2.00	2" / 50.8	0.020" / 0.508	Black or Red / Type II / Triangular

Guideline Color on Type II Triangular Tapes Only: .020" = blue / .030" = white / .040" = green

Type II edge thickness is .008" +/- .001"

Please enquire for pricing on width and thickness other than those listed above.

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the XX value (color code): OR = Oxide-Red, BK = Black. Other colors available.
- Certificate of Conformity: Add \$6.00 for individual roll CofC. Lot/Batch CofC \$25.00 per order line item.
- Test Report: Add \$75.00 per order line item.

Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

FlameShield™ MIL-I-46852 Specification Silicone Rubber Self Fusing Electrical Insulating Tape - Technical Data

Specifications for FlameShield™ Silicone Rubber Tape meeting MIL-I-46852 Class 1 – Type I and Type II			
Property	Standard	Nominal Test Result or Tolerance	Test Method
Thickness: 1" wide tape	.010" .020" .030" .040"	+/- .002"	N/A
Width	0.50", 0.625", 0.75", 1.00", 1.50", 2.00"	+/- .020"	N/A
Length	36 feet / 12 yards	+/- 6.00"	N/A
Color	Oxide-Red or Black	N/A	N/A
Guideline Color (Type II)	.020" Tapes: Blue .030" Tapes: White .040" Tapes: Green	N/A	N/A
Operating Temperature	-60°C to +260°C -76°C to +500°F	N/A	N/A
Brittle Temperature	-65°C / -85°F	N/A	N/A
Interleave Material	.002" thick Mylar	N/A	N/A
Tensile Strength	700 psi (minimum)	1100	ASTM D412 / D119
Dielectric Strength	.010" tape: 400 V/mil .020" tape: 400 V/mil .030" tape: 400 V/mil .040" tape: 300 V/mil	575	ASTM D-149
Dielectric Constant		2.94 @ 1Khz	ASTM D150
Volume Resistivity	1 x 10 ¹⁴ ohms/cm ³	3 x 10 ¹⁴	ASTM D149
Elongation	300% (minimum)	700	ASTM D412 / D119
Tear Strength	85 psi (minimum)	146	ASTM D624
Bond Strength (1" Width)	2 lbs (minimum)	5.5	ASTM D2148
Adhesion	Shall not unwind more than 1.0" after 3 minutes with 600g load	0.12"	ASTM D2148
Inclined Mandrel Tack Test (inch)		0.25	ASTM D2148
Water absorption (by wt)	3% Maximum	0.9%	FED-STD-601 Method 6251
Dissipation Factor		<0.0004 @ 1 KHz	ASTM D150
Hardness, durometer Shore A	55 - 65	55	ASTM D2148 / D2240
Flame Test		Pass	FAA 60 Sec Vertical

All trademarks and tradenames are property of their respective owners.

AA59163-1I0010 / AA59163-1I0020 / AA59163-1I0030 / AA59163-1I0040
Class 1 - Type I

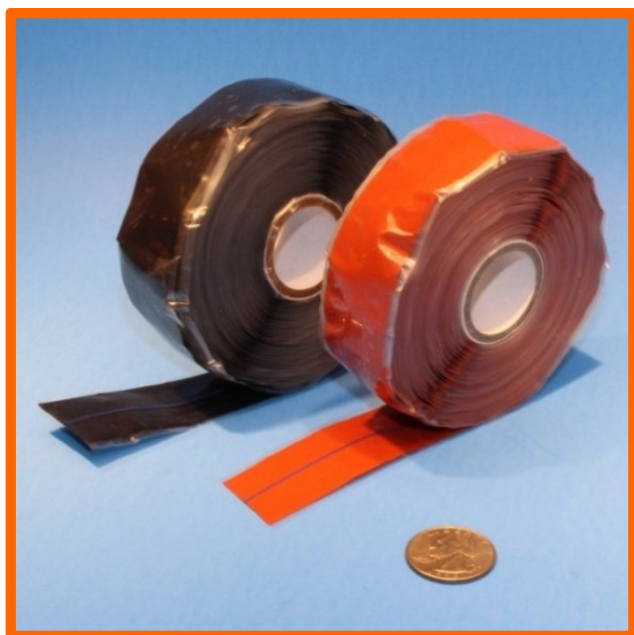
AA59163-1II0020 / AA59163-1II0030 / AA59163-1II0040 / AA59163-1II0060
Class 1 - Type II

Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Self Binding / Self-Fusing / Self Amalgamating Tape -

High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
 - ASTM D 149; provides minimum 400 V/mil. for .010" to .030" thick tape, 300 V/mil for .040" thick tape and 250 V/mil for .060" thick tape.
 - ASTM D 412; provides minimum 700 psi tensile strength and minimum 300% elongation.
 - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, AA59163 and ABS 5334 specifications. Certificate of Conformity available.
- Cross Reference Equivalents Available to MOX 600R and 600T levelwrap series; 602-1, 603-1, 604-1, 605-1, 606-1, 607-1. McDonnell Douglas / Boeing DMS-2186 Type I & II, McDonnell Douglas Helicopter HS5215, General Dynamics P5384, Martin Marietta MMS 517-6 Type II, McDonnell Douglas P.S. 17115, ST0130RB0078 Type I, 3003M70P01, MS70T09-S, WS1363A, Premier Farnell 810112, Safe Flight 59562-5, PLYSIL3455, TYT200-1, 66N, 67N and various NATO / National Stock Numbers (NSN).
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing wire and cable splices and joints with an almost totally smooth surface (prevents snagging when splice is pulled through obstructions).

FlameShield™ CID AA-59163 Specification
High Temperature Silicone Self Fusing
Compression/Stretch Electrical Insulating Tape

AA59163-1I0020 / AA59163-1II0020 / AA59163-1I0030 / AA59163-1II0030
AA59163-1I0040 / AA59163-1II0040

Class 1 – Type I and Class 1 - Type II

Part Number	Tape Width Inches / mm	Thickness inches / mm	Color / Type / Profile
AA59163-1I0020-RXX-0.50	½" / 12.7	0.020" / 0.508	Black or Red / Type I / Rectangular
AA59163-1I0030-RXX-0.50	½" / 12.7	0.030" / 0.760	Black or Red / Type I / Rectangular
AA59163-1I0020-RXX-0.62	5/8" / 15.7	0.020" / 0.508	Black or Red / Type I / Rectangular
AA59163-1I0020-RXX-0.75	¾" / 19	0.020" / 0.508	Black or Red / Type I / Rectangular
AA59163-1I0010-RXX-1.00	1" / 25.4	0.010" / 0.250	Black or Red / Type I / Rectangular
AA59163-1I0020-RXX-1.00	1" / 25.4	0.020" / 0.508	Black or Red / Type I / Rectangular
AA59163-1II0020-TXX-1.00	1" / 25.4	0.020" / 0.508	Black or Red / Type II / Triangular
AA59163-1I0030-RXX-1.00	1" / 25.4	0.030" / 0.760	Black or Red / Type I / Rectangular
AA59163-1II0030-TXX-1.00	1" / 25.4	0.030" / 0.760	Black or Red / Type II / Triangular
AA59163-1I0040-RXX-1.00	1" / 25.4	0.040" / 1.000	Black or Red / Type I / Rectangular
AA59163-1II0040-TXX-1.00	1" / 25.4	0.040" / 1.00	Black or Red / Type II / Triangular
AA59163-1I0012-RXX-1.50	1 ½" / 38.1	0.012" / 0.304	Black or Red / Type I / Rectangular
AA59163-1I0020-RXX-1.50	1 ½" / 38.1	0.020" / 0.508	Black or Red / Type I / Rectangular
AA59163-1II0060-TXX-1.50	1 ½" / 38.1	0.060" / 1.524	Black or Red / Type II / Triangular
AA59163-1I0020-RXX-2.00	2" / 50.8	0.020" / 0.508	Black or Red / Type I / Rectangular
AA59163-1II0020-TXX-2.00	2" / 50.8	0.020" / 0.508	Black or Red / Type II / Triangular

Guideline Color on Type II Triangular Tapes Only: .020" = blue / .030" = white / .040" = green

Type II edge thickness is .008" +/- .001"

Please enquire for pricing on widths and thicknesses other than those listed above.

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the XX value (color code): OR = Oxide-Red, BK = Black. Other colors available.
- Certificate of Conformity: Add \$6.00 for individual roll CofC. Lot/Batch CofC \$25.00 per order line item.
- Test Report: Add \$75.00 per order line item.

Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

FlameShield™ CID A-A-59163 Specification Silicone Rubber Self Fusing Electrical Insulating Tape - Technical Data

Specifications for FlameShield™ Silicone Rubber Tape (MIL-I-46852 & A-A-59163) Class 1 – Type I and Type II			
Property	Standard	Nominal Test Result or Tolerance	Test Method
Thickness: 1" wide tape	.010" .020" .030" .040"	+/- .002"	N/A
Width	0.50", 0.625", 0.75", 1.00", 1.50", 2.00"	+/- .020"	N/A
Length	36 feet / 12 yards	+/- 6.00"	N/A
Color	Oxide-Red or Black	N/A	N/A
Guideline Color (Type II)	.020" Tapes: Blue .030" Tapes: White .040" Tapes: Green	N/A	N/A
Operating Temperature	-60°C to +260°C -76°C to +500°F	N/A	N/A
Brittle Temperature	-65°C / -85°F	N/A	N/A
Interleave Material	.002" thick Mylar	N/A	N/A
Tensile Strength	700 psi (minimum)	1100	ASTM D412 / D119
Dielectric Strength	.010" tape: 400 V/mil .020" tape: 400 V/mil .030" tape: 400 V/mil .040" tape: 300 V/mil	575	ASTM D-149
Dielectric Constant		2.94 @ 1Khz	ASTM D150
Volume Resistivity	1 x 10 ¹⁴ ohms/cm ³	3 x 10 ¹⁴	ASTM D149
Elongation	300% (minimum)	700	ASTM D412 / D119
Tear Strength	85 psi (minimum)	146	ASTM D624
Bond Strength (1" Width)	2 lbs (minimum)	5.5	ASTM D2148
Adhesion	Shall not unwind more than 1.0" after 3 minutes with 600g load	0.12"	ASTM D2148
Inclined Mandrel Tack Test (inch)		0.25	ASTM D2148
Water absorption (by wt)	3% Maximum	0.9%	FED-STD-601 Method 6251
Dissipation Factor		<0.0004 @ 1 KHz	ASTM D150
Hardness, durometer Shore A	55 - 65	55	ASTM D2148 / D2240
Flame Test		Pass	FAA 60 Sec Vertical

**AA59163-1I0010 / AA59163-1I0020 / AA59163-1II0020 / AA59163-1I0030
AA59163-1II0030 / AA59163-1I0040 / AA59163-1II0040**

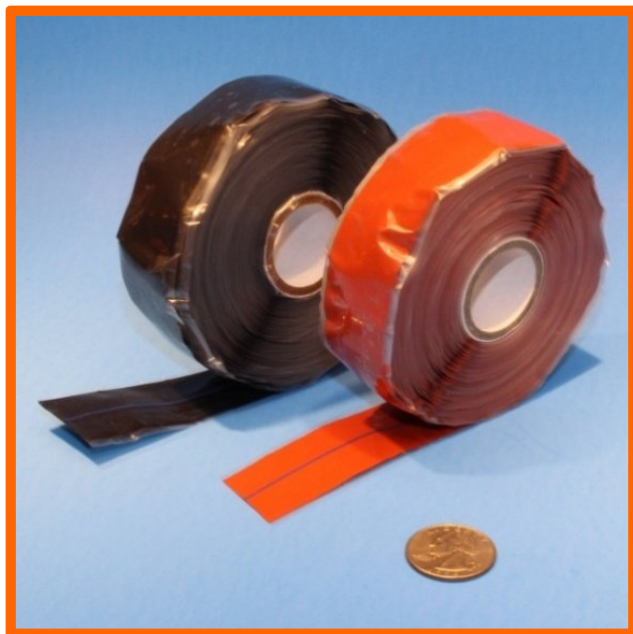
Class 2 - Type IM and Class2 - Type IIM

Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Self Binding / Self-Fusing / Self Amalgamating Tape -

High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
 - ASTM D 149; provides minimum 400 V/mil. for 0.250mm to 0.750mm thick tape, 300 V/mil for 1.000mm thick tape.
 - ASTM D 412; provides minimum 4800 kPa tensile strength and minimum 300% elongation.
 - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, AA59163 and ABS 5334 specifications. Certificate of Conformity available.
- Cross Reference Equivalents Available to MOX 600R and 600T levelwrap series; 602-1, 603-1, 604-1, 605-1, 606-1, 607-1. McDonnell Douglas / Boeing DMS-2186 Type I & II, McDonnell Douglas Helicopter HS5215, General Dynamics P5384, Martin Marietta MMS 517-6 Type II, McDonnell Douglas P.S. 17115, ST0130RB0078 Type I, 3003M70P01, MS70T09-S, WS1363A, Premier Farnell 810112, Safe Flight 59562-5, PLYSIL3455, TYT200-1, 66N, 67N and various NATO / National Stock Numbers (NSN).
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing wire and cable splices and joints with an almost totally smooth surface (prevents snagging when splice is pulled through obstructions).

**FlameShield™ CID AA-59163 Specification
High Temperature Silicone Self Fusing
Compression/Stretch Electrical Insulating Tape**

**AA59163-1I0020 / AA59163-1II0020 / AA59163-1I0030 / AA59163-1II0030
AA59163-1I0040 / AA59163-1II0040**

Class 2 – Type IM and Class 2 - Type IIM

Part Number	Tape Width mm	Thickness mm	Color / Type / Profile
AA59163-2IM0500-RXX-13	13	0.500	Black or Red / Type IM / Rectangular
AA59163-2IM0750-RXX-13	13	0.750	Black or Red / Type IM / Rectangular
AA59163-2IM0500-RXX-15	15	0.500	Black or Red / Type IM / Rectangular
AA59163-2IM0500-RXX-20	20	0.500	Black or Red / Type IM / Rectangular
AA59163-2IM0250-RXX-25	25	0.250	Black or Red / Type IM / Rectangular
AA59163-2IIM0500-TXX-25	25	0.500	Black or Red / Type IIM / Triangular
AA59163-2IM0500-RXX-25	25	0.500	Black or Red / Type IM / Rectangular
AA59163-2IIM1000-TXX-25	25	1.000	Black or Red / Type IIM / Triangular
AA59163-2IM1000-RXX-25	25	1.000	Black or Red / Type IM / Rectangular
AA59163-2IM0500-RXX-38	38	0.500	Black or Red / Type IM / Rectangular
AA59163-2IM0300-RXX-38	38	0.300	Black or Red / Type IM / Rectangular
AA59163-2IM0500-RXX-50	50	0.500	Black or Red / Type IM / Rectangular
AA59163-2IIM0500-TXX-50	50	0.500	Black or Red / Type IIM / Triangular

Guideline Color on Type IIM Triangular Tapes Only: .500mm = blue / .750mm = white / 1.000mm = green

Type IIM edge thickness is 0.215mm +/- 0.015mm

Please enquire for pricing on widths and thicknesses other than those listed above.

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the XX value (color code): OR = Oxide-Red, BK = Black. Other colors available.
- Certificate of Conformity: Add \$6.00 for individual roll CofC. Lot/Batch CofC \$25.00 per order line item.
- Test Report: Add \$75.00 per order line item.

Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

FlameShield™ CID AA-59163 Specification Silicone Rubber Self Fusing Electrical Insulating Tape - Technical Data

Specifications for FlameShield™ Silicone Rubber Tape (MIL-I-46852 & A-A-59163) Class 2 – Type IM and Type IIM			
Property	Standard	Nominal Test Result or Tolerance	Test Method
Thickness: 1" wide tape	0.250mm 0.500mm 0.750mm 1.000mm	+/- .002"	N/A
Width	13mm, 19mm, 25mm, 38mm, 50mm	+/- .020"	N/A
Length	10.9m	+/- 120mm	N/A
Color	Oxide-Red or Black	N/A	N/A
Guideline Color (Type II)	0.500mm Tapes: Blue 0.750mm Tapes: White 1.000mm Tapes: Green	N/A	N/A
Operating Temperature	-60°C to +260°C -76°C to +500°F	N/A	N/A
Brittle Temperature	-65°C / -85°F	N/A	N/A
Interleave Material	.002" thick Mylar	N/A	N/A
Tensile Strength	4800 kPa (minimum)	7400	ASTM D412 / D119
Dielectric Strength	0.250mm tape: 400 V/mil 0.500mm tape: 400 V/mil 0.750mm tape: 400 V/mil 1.000mm tape: 300 V/mil	575	ASTM D-149
Dielectric Constant		2.94 @ 1Khz	ASTM D150
Volume Resistivity	1.7 x 10 ¹⁴ nanoohm metre	3 x 10 ¹⁴	ASTM D149
Elongation	300% (minimum)	700	ASTM D412 / D119
Tear Strength	85 psi (minimum)	146	ASTM D624
Bond Strength (25mm Width)	0.9 kilogram-force	2.6	ASTM D2148
Adhesion	Shall not unwind more than 1.0" after 3 minutes with 600g load	0.12"	ASTM D2148
Inclined Mandrel Tack Test (inch)		0.25	ASTM D2148
Water absorption (by wt)	3% Maximum	0.9%	FED-STD-601 Method 6251
Dissipation Factor		<0.0004 @ 1 KHz	ASTM D150
Hardness, durometer Shore A	55 - 65	55	ASTM D2148 / D2240
Flame Test		Pass	FAA 60 Sec Vertical

MIL-I-22444C Silicone Rubber Supported/Reinforced Self Fusing Limited Stretch Electrical Insulation Tape - Cable Splicing

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Meets MIL-I-22444 and ASNA 5107 Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather and cryogenic performance.
- Excellent for sealing ends of firesleeve: protects sleeve from contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- Meets Mil-i-22444C and other OEM specifications.
- Sinusoidal Fiberglass Reinforced with either 15% maximum stretch (SB15) or 25% maximum stretch (SA25) until failure of the reinforcement web.
- The embedded sinusoidal fiberglass layer provides limited stretch of the tape during installation, ensuring that a consistent minimum thickness is achieved during installation opposed to a variable thickness that occurs when manually adding tension to the tape during human applied scenarios. Machine applied tape tends to be much more uniform in thickness due to the automated tensioning measurement feedback in the application machinery.
- Supported/reinforced tape also prevents tape creep and fracturing when the tape is clamped with excessive force with either a connector back-shell, or installation clamp on a hydraulic fitting. The tape tends to remain in place and without layer fracturing compared to non supported/reinforced versions of the tape (MIL-I-46852 and A-A-59163 versions).
- Specified for cable splicing by the US Navy.
- Used as a compression protection tape under wiring connector back-shell clamping collars.
- CofC available.

The above picture of the clear version of the tape shows the fiberglass reinforcement layer. Tape is normally ordered in Oxide-Red or Black Color; other colors available including clear.

- Equivalent to MOX SA and MOX SB series tapes SB01020, SB00520, SB01015, SB01050 & SA00520, SA01020, SA03030, SA01015; DMS-2186 Type I, EMD/EMS 2074; General Dynamics P5189 & 5-00857; General Electric A50A493-C/D & A50E112; Grumman GT353V; RMS315 Type I; Simmonds 151274 (black); IBM 6084744; RL6000SA; RL6000SB; 68N, 69N, 78N, 79N; NSN 5970-01-325-8971; NSN 5970-00-841-1172; NSN 5970-14-464-7312; NSN 5970-01-596-7929

MIL-I-22444C Silicone Rubber Supported/Reinforced Self Fusing Limited Stretch Electrical Insulation Tape - Cable Splicing (Continued)

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C
FlameShield™ Meets MIL-I-22444 and ASNA 5107 Specifications
Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- "S25" tape is 25% limited elongation
- "S15" tape is 15% limited elongation
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ MIL Spec High Temperature Silicone Self Fusing Compression/Stretch Tape Meets MIL-I-22444 Type I

Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
MIL-I-22444-S25-M013-08-RXX-20	1/2 / 13	0.020 / 0.5	I / Rectangular
MIL-I-22444-S15-M013-08-RXX-20	1/2 / 13	0.020 / 0.5	I / Rectangular
MIL-I-22444-5970-00-446-8928-ROR*	1/2 / 13	0.020 / 0.5	I / Rectangular
MIL-I-22444-69N-RBK	3/4 / 19	0.020 / 0.5	I / Rectangular
MIL-I-22444-78N-ROR	1 / 25	0.020 / 0.5	I / Rectangular
MIL-I-22444-79N-RBK	1 / 25	0.020 / 0.5	I / Rectangular
MIL-I-22444-S25-M025-16-RXX-20	1 / 25	0.020 / 0.5	I / Rectangular
MIL-I-22444-S15-M025-16-RXX-20	1 / 25	0.020 / 0.5	I / Rectangular
MIL-I-22444-S25-M025-16-RXX-40	1 / 25	0.040 / 1.0	I / Rectangular

*5970-00-446-8928 was originally specified at 0.018" thick but is no longer produced in that thickness. Replacement is MIL-I-22444-5970-00-446-8928-OR and is 0.020" thick.

Please enquire for pricing on sizes other than those listed above.

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres. * roll length 60 feet / 20 yards
- For the XX value (color code): OR = Oxide-Red, BK = Black. Clear & other colors available.
- Certificate of Conformity: Add \$6.00 for individual roll CofC. Lot/Batch CofC \$25.00 per order line item.
- Test Report: Add \$150.00 per order line item.

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

FlameShield™ MIL-I-22444C Specifications and Nominal Test Data Reinforced Supported Silicone Rubber Self Fusing Electrical Insulating Tape

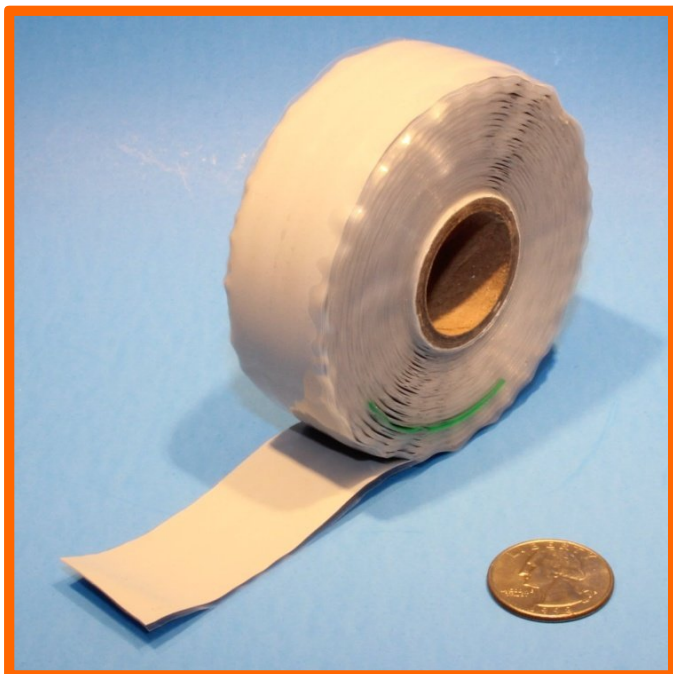
Specifications and Nominal Test Results for FlameShield™ Reinforced Supported Silicone Rubber Tape meeting MIL-I-22444C			
Property	Standard	Nominal Test Result or Tolerance	Test Method
Substrate	15% or 25% sinusoidal fiberglass	N/A	N/A
Thickness: 1" wide tape	.020" .030" .040"	+/- .002"	N/A
Width	0.50", 0.75", 1.00", 1.50"	+/- .020"	N/A
Length *	36 feet / 12 yards or 60 feet / 20 yards	+/- 6.00"	N/A
Color **		N/A	N/A
Operating Temperature	-60°C to +260°C -76°C to +500°F	N/A	N/A
Brittle Temperature	-65°C / -85°F	N/A	N/A
Interleave Material	.002" thick Mylar	N/A	N/A
Tensile Strength psi		4450	ASTM D412
Dielectric Strength	500 V/mil	611	ASTM D-149
Dielectric Constant		2.94 @ 1Khz	ASTM D150
Volume Resistivity	1×10^{13} ohms/cm ³	3×10^{14}	ASTM D149
Ultimate Elongation 25% substrate 15% substrate		31 20	ASTM D412
Bond Strength (lbf/in)	Averaged	6.2	Per MIL-I-22444C
Water absorption (by wt)		1.1 to 1.6 %	FED-STD-601 Method 6251
Dissipation Factor		<0.0004 @ 1 KHz	ASTM D150
Hardness, durometer Shore A	50 - 55	52	ASTM D2148 / D2240
Specific Gravity		1.20	ABQA-TMS-011
Flame Test		Pass	FAA 60 Sec Vertical

- * Custom lengths available
- ** Standard production is Black or Oxide-red - Custom colors or clear available

20 PLYSIL® (3455) Equivalent Silicone Rubber Tape

Silicone Rubber Self Adhering Electrical Insulating Tape – Meets MIL-I-46852A

356°F / 180°C: *Self Binding / Self-Fusing / Self Amalgamating Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
 - ASTM D 149; provides minimum 400 V/mil.
 - ASTM D 412; provides minimum 700 psi tensile strength and minimum 300% elongation.
 - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Primary insulation for applications up to 180°C / 356°F.
- Meets Mil-I-46852 specifications. Certificate of Conformity available.
- 24 month shelf life from DOM.
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).
- Type II triangular profile.

20 PLYSIL® 3455 Equivalent Silicone Rubber Tape High Temperature Silicone Rubber Self Fusing Electrical Tape		
Part Number	Tape Width	Tape Thickness
T-SR-20-3455	1"	.020"

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres

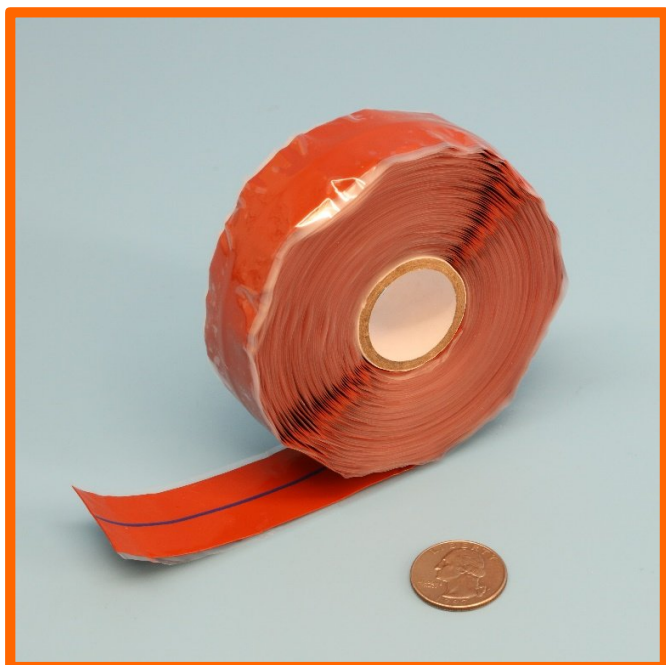
PLYSIL® is a registered trademark of Plymouth Rubber Europa S.A.

Cessna P840154 Guideline Tape

Silicone Rubber Self Adhering Electrical Insulating Tape – Meets A-A-59163

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Self Binding / Self-Fusing / Self Amalgamating Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
 - ASTM D 149; provides minimum 400 V/mil. for .010" to .030" thick tape, 300 V/mil for .040" thick tape and 250 V/mil for .060" thick tape.
 - ASTM D 412; provides minimum 700 psi tensile strength and minimum 300% elongation.
 - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, AA59163 specifications. Certificate of Conformity available.
- 24 month shelf life from DOM.
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Cessna P840154 Guideline Tape High Temperature Silicone Rubber Self Fusing Electrical Tape		
Part Number	Tape Width	Tape Thickness
T-SR-P840154	As per specification	As per specification

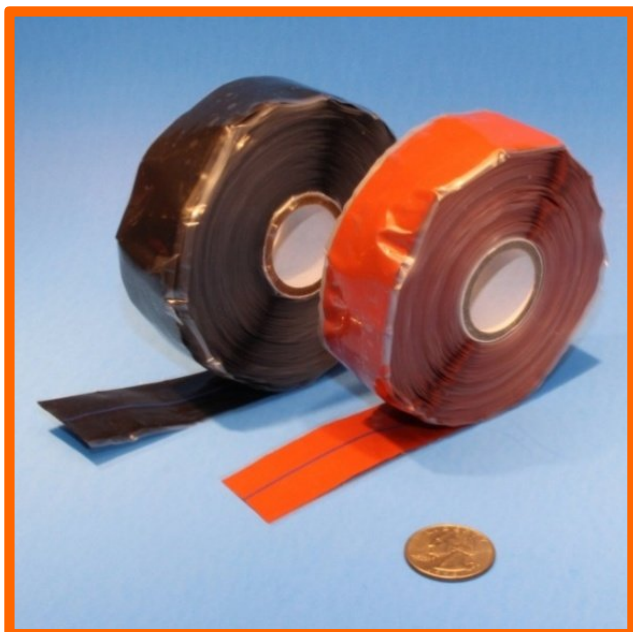
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres

ES7889-1 / ES7889-2 -01 through -21 - Type I & Type II

Systems & Electronics Equivalent Silicone Rubber Self Adhering Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Self Binding / Self-Fusing / Self Amalgamating Tape -
High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
 - ASTM D 149; provides minimum 400 V/mil. for .010" to .030" thick tape, 300 V/mil for .040" thick tape and 250 V/mil for .060" thick tape.
 - ASTM D 412; provides minimum 700 psi tensile strength and minimum 300% elongation.
 - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, AA59163 and ABS 5334 specifications. Certificate of Conformity available.
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing wire and cable splices and joints with an almost totally smooth surface (prevents snagging when splice is pulled through obstructions).

**Systems & Electronics ES7889 Type I & Type II Equivalent
 High Temperature Silicone Rubber Self Adhering Electrical Tape
 Meets all ES7889 Specifications**

Part Number	Tape Width, inches	Thickness, inches	Color / Type
ES7889-2R01 / ES7889-2B01	1.00"	0.020"	Red or Black / Type II
ES7889-2R02 / ES7889-2B02	1.00"	0.030"	Red or Black / Type II
ES7889-2R03 / ES7889-2B03	1.00"	0.040"	Red or Black / Type II
ES7889-2R04 / ES7889-2B04	1.25"	0.050"	Red or Black / Type II
ES7889-2R05 / ES7889-2B05	1.50"	0.060"	Red or Black / Type II
ES7889-2R06 / ES7889-2B06	1.50"	0.080"	Red or Black / Type II
ES7889-1R07 / ES7889-1B07	0.50"	0.020"	Red or Black / Type I
ES7889-1R08 / ES7889-1B08	0.75"	0.040"	Red or Black / Type I
ES7889-1R09 / ES7889-1B09	1.00"	0.040"	Red or Black / Type I
ES7889-1R10 / ES7889-1B10	1.25"	0.020"	Red or Black / Type I
ES7889-1R11 / ES7889-1B11	1 ½"	0.012"	Red or Black / Type I
ES7889-1R12 / ES7889-1B12	2"	0.020"	Red or Black / Type I
ES7889-1R13 / ES7889-1B13	2"	0.020"	Red or Black / Type I
ES7889-1R14 / ES7889-1B14	1.00"	0.020"	Red or Black / Type I
ES7889-1R15 / ES7889-1B15	1.25"	0.020"	Red or Black / Type I
ES7889-1R16 / ES7889-1B16	1.50"	0.020"	Red or Black / Type I
ES7889-1R17 / ES7889-1B17	0.50"	0.030"	Red or Black / Type I
ES7889-1R18 / ES7889-1B18	0.75"	0.030"	Red or Black / Type I
ES7889-1R19 / ES7889-1B19	1.00"	0.030"	Red or Black / Type I
ES7889-1R20 / ES7889-1B20	1.25"	0.030"	Red or Black / Type I
ES7889-1R21 / ES7889-1B21	1.50"	0.030"	Red or Black / Type I

Guideline Color on Type II Triangular Tapes Only: .020" = blue / .030" = white / .040" = green
 Type II edge thickness is .008" +/- .001"

Please enquire for pricing on widths and thicknesses other than those listed above.

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the X value (color code): R = Oxide-Red, B = Black. Other colors available.
- Certificate of Conformity: Add \$6.00 for individual roll CoFC. Lot/Batch CoFC \$12.00 per order line item.
- Test Report: Add \$150.00 per order line item.

Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

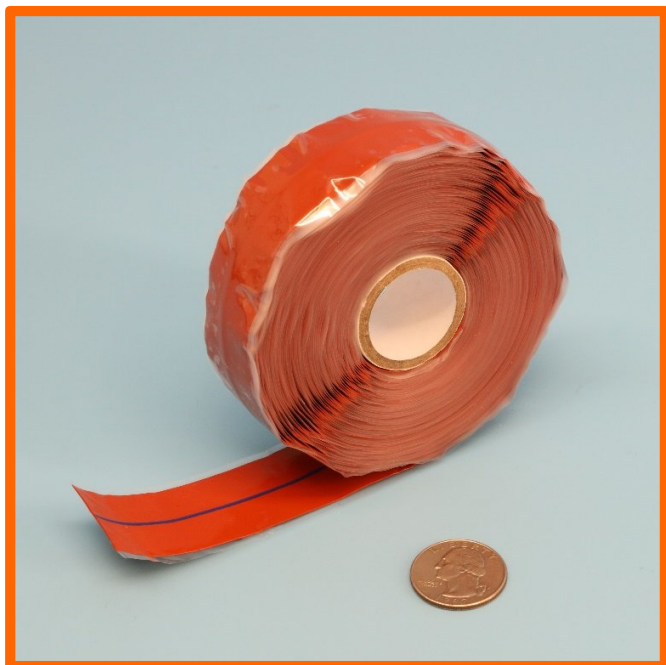
All trade names and trademarks are property of their respective owners

MM96330 / GL30R67W00 Systems & Electronics

Systems & Electronics Silicone Rubber Self Adhering Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Self Binding / Self-Fusing / Self Amalgamating Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
 - ASTM D 149; provides minimum 400 V/mil. for .010" to .030" thick tape, 300 V/mil for .040" thick tape and 250 V/mil for .060" thick tape.
 - ASTM D 412; provides minimum 700 psi tensile strength and minimum 300% elongation.
 - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, AA59163 and ABS 5334 specifications. Certificate of Conformity available.
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

MM96330 / GL30R67W00 High Temperature Silicone Rubber Self Fusing Electrical Tape		
Part Number	Tape Width	Tape Thickness
T-SR-MM96330	As per specification	As per specification
T-SR-GL30R67W00	As per specification	As per specification

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.

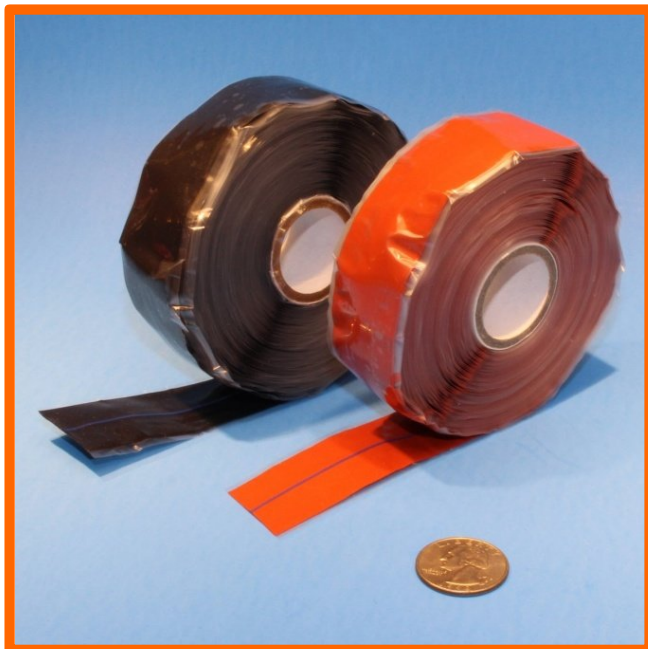
Boeing DMS 2186 Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ - Meets Boeing DMS 2186 Specifications –

Available as DMS 2186 Type I & Type II

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Meets Boeing DMS2186 specifications.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Type I meets MIL-I-22444 specifications. Type II meets Mil-I-46852, AA59163 and other proprietary specifications.
- Meets FAR 25.853 Appendix F, section a, 1, iv – Horizontal burn rate.
- CofC available.
- Available in Oxide-Red or Black.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ Boeing DMS 2186 Type I and Type II High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
BOEING DMS 2186 Type I (meets MIL-I-22444)		
T-SR-BOEING-DMS2186-1S-0.75-20-XX	¾ / 19	0.020 / 0.51
T-SR-BOEING-DMS2186-1S-1.00-20-XX	1 / 25	0.020 / 0.51
BOEING DMS 2186 Type II (meets MIL-I-46852 / AA-59163)		
T-SR-BOEING-DMS2186-2-1.00-20-XX	1 / 25	0.020 / 0.51
T-SR-BOEING-DMS2186-2-1.00-30-XX	1 / 25	0.030 / 0.76
T-SR-BOEING-DMS2186-2-1.00-40-XX	1 / 25	0.040 / 1.01
T-SR-BOEING-DMS2186-2-1.25-50-XX	1 ¼ / 32	0.050 / 1.27
T-SR-BOEING-DMS2186-2-1.25-60-XX	1 ½ / 38	0.060 / 1.52
T-SR-BOEING-DMS2186-2-1.25-80-XX	1 ½ / 38	0.080 / 2.03

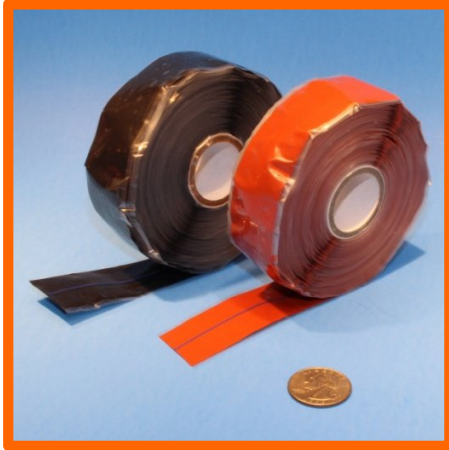
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the XX value (color code): OR = Oxide-Red, BK = Black
- DMS2186 specification does not allow tapes to be thinner than .020"

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Recertification is available.

Lockheed Martin Astronautics MMS J517 Type I & Type II Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C
FlameShield™ Self Fusing Electrical Insulating Tape

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 and other specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ High Temperature Silicone Rubber Self Fusing Compression/Stretch Electrical Insulating Tape Meets MMS J517 Type I and Type II Specifications		
Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
MMS J517 Type I		
T-SR-MMSJ517-1-08-10-XX	1/2 / 13	0.010 / 0.25
T-SR- MMSJ517-1-08-20-XX	1/2 / 13	0.020 / 0.51
T-SR-MMSJ517-1-08-30-XX	1/2 / 13	0.030 / 0.76
T-SR-MMSJ517-1-12-10-XX	3/4 / 19	0.010 / 0.25
T-SR-MMSJ517-1-12-20-XX	3/4 / 19	0.020 / 0.51
T-SR-MMSJ517-1-12-30-XX	3/4 / 19	0.030 / 0.76
T-SR-MMSJ517-1-16-10-XX	1 / 25	0.010 / 0.25
T-SR-MMSJ517-1-16-20-XX	1 / 25	0.020 / 0.51
T-SR-MMSJ517-1-16-30-XX	1 / 25	0.030 / 0.76
T-SR-MMSJ517-1-20-10-XX	1.25 / 32	0.010 / 0.25
T-SR-MMSJ517-1-20-20-XX	1.25 / 32	0.020 / 0.51
T-SR-MMSJ517-1-20-30-XX	1.25 / 32	0.030 / 0.76
T-SR-MMSJ517-1-24-10-XX	1.50 / 38	0.010 / 0.25
T-SR-MMSJ517-1-24-20-XX	1.50 / 38	0.020 / 0.51
T-SR-MMSJ517-1-24-30-XX	1.50 / 38	0.030 / 0.76
MMS J517 Type II		
T-SR-MMSJ517-2-16-20-XX	1 / 25	0.020 / 0.51
T-SR-MMSJ517-2-16-30-XX	1 / 25	0.030 / 0.76
T-SR-MMSJ517-2-16-40-XX	1 / 25	0.040 / 1.01
T-SR-MMSJ517-2-20-50-XX	1 1/4 / 32	0.050 / 1.27
T-SR-MMSJ517-2-24-60-XX	1 1/2 / 38	0.060 / 1.52
T-SR-MMSJ517-2-24-80-XX	1 1/2 / 38	0.080 / 2.03

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the XX value (color code): OR = Oxide-Red, BK = Black

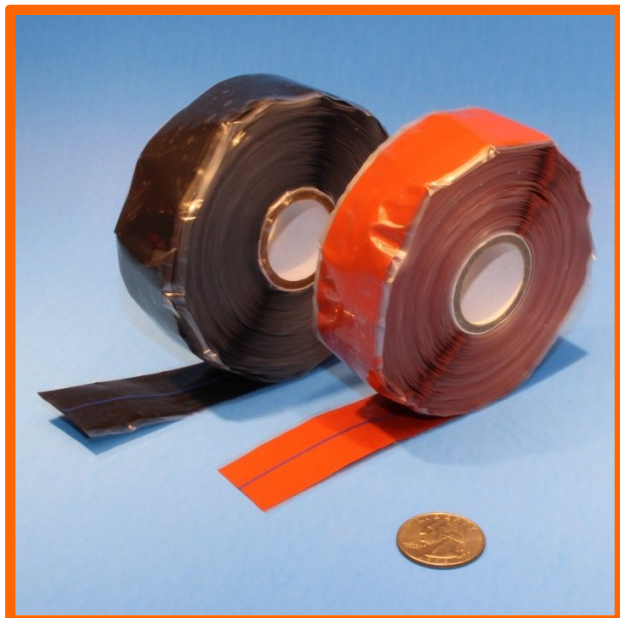
These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Lockheed Martin Space Systems 5-00857 & 5-00615 Silicone Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



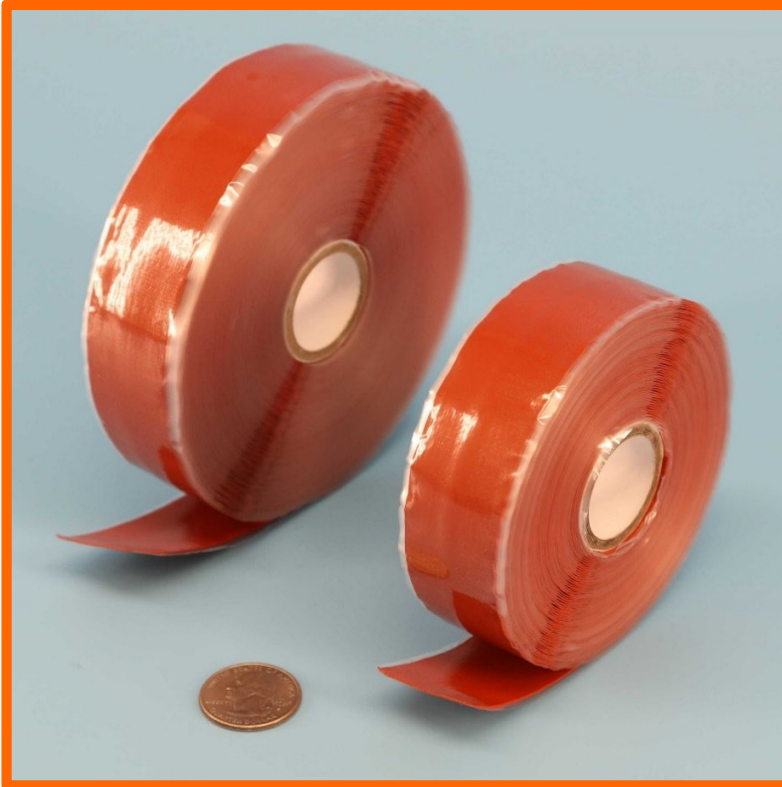
- Meets Lockheed-Martin 5-00857 & 5-00615 specifications.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets MIL-I-22444 and other proprietary specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape Meets Lockheed Martin Space Systems 5-00857 & 5-00615 Specifications		
Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
Specification 5-00857		
T-SR-5-00857-S-ZZ	As per specification	As per specification
Specification 5-00615		
T-SR-5-00615	As per specification	As per specification

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the ZZ value (color code): OR = Oxide-Red, BK = Black

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Lockheed Martin Tactical Systems P5189 Silicone Tape
Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C
FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape
Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Meets Lockheed-Martin Tactical Systems P5189 specifications.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets MIL-I-22444 and other proprietary specifications.
- CofC available.
- Only available in Oxide-red.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ High Temperature Silicone Rubber Self Fusing Compression/Stretch Electrical Insulating Tape Meets Lockheed Martin Tactical Systems P5189 Specifications		
Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
Specification P5189		
T-SR-P5189-S2-08	1/2 / 13	As per specification
T-SR-P5189-S2-16	1 / 25	As per specification

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

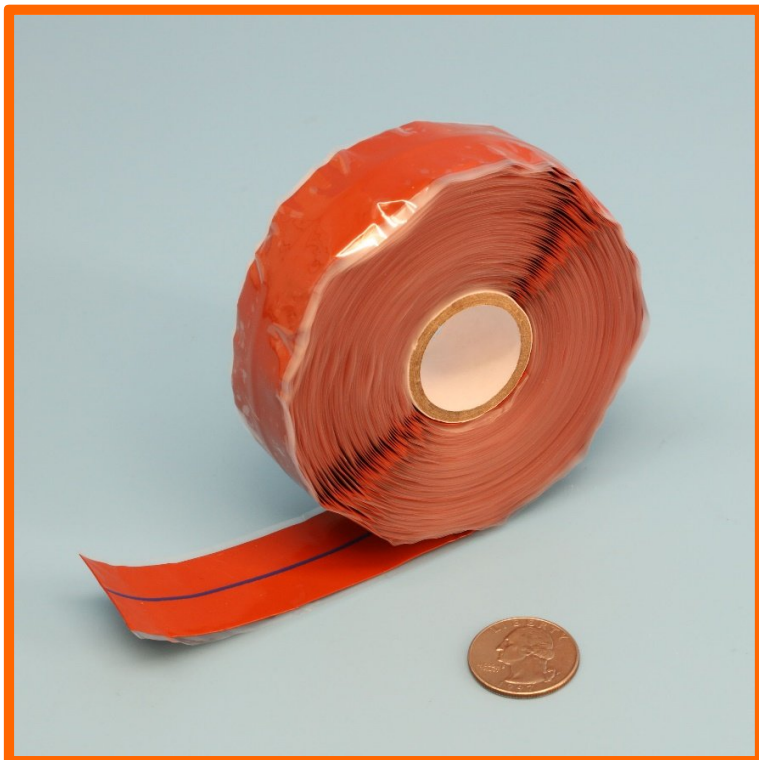
Lockheed Martin Systems Integration 6084744 Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical

Insulating Tape

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-22444 and other proprietary specifications.
- CofC available.
- NSN 5970-01-596-7929
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).
- Photo is a similar tape – actual tape has no center guideline

FlameShield™ High Temperature Silicone Rubber Self Fusing Compression/Stretch Electrical Insulating Tape Meets Lockheed Martin Systems Integration 6084744 Specifications		
Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
Specification 6084744		
T-SR-6084744-08-S15-OR	1/2 / 13	As per specification
T-SR-6084744-16-S15-OR	1 / 25	As per specification
T-SR-6084744-08-S25-OR (NSN 5970-01-596-7929)	1/2 / 13	As per specification
T-SR-6084744-16-S25-OR	1 / 25	As per specification

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- Color is Oxide-red

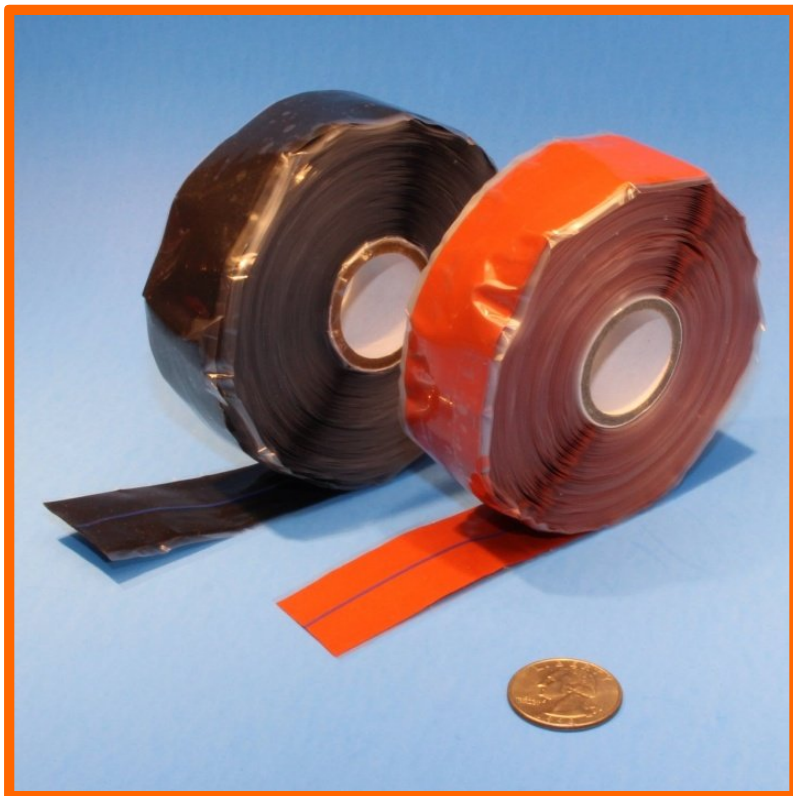
These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

General Dynamics P5384 Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Meets General Dynamics P5384 specifications.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 and other proprietary specifications.
- CofC available.
- NSN 9320-01-310-3746
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

**FlameShield™ High Temperature Silicone Rubber Self Fusing
Compression/Stretch Electrical Insulating Tape
Meets General Dynamics P5384 Specifications**

Part Number	Tape Width Inches / mm	Tape Thickness
T-SR-P5384-XX	As per specification	As per specification

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- This tape is Oxide-red per the specification or black is also available.
- For XX specify OR for Oxide-red or BK for Black

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

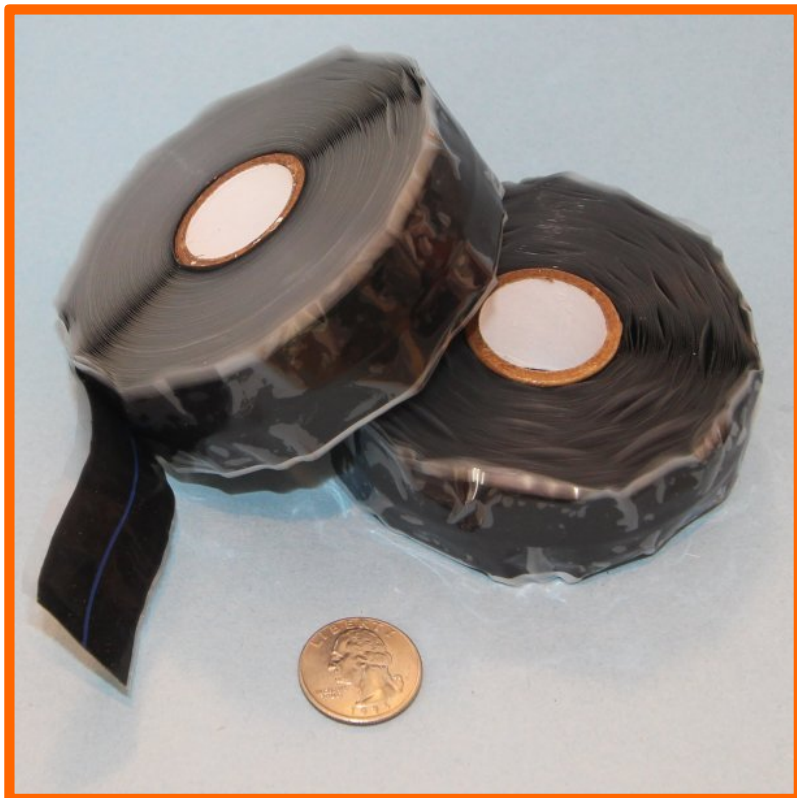
Boeing HS5215E (103 & 203)

NSN 5330-01-479-4233 / 5330-01-479-4235 Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Meets HS5215E specifications.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Used as a backshell clamp bushing tape.
- Meets Mil-I-46852 and other proprietary specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

**FlameShield™ High Temperature Silicone Rubber Self Fusing
Compression/Stretch Electrical Insulating Tape
Meets HS5215E103 Specifications**

Part Number	Tape Width Inches / mm	Tape Thickness
T-SR-HS5215E103	Per specification	Per specification
T-SR-HS5215E203	Per specification	Per specification

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- This tape is Black per the specification.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

UL 94 V-0 Flamability Standards Silicone Tape

Operating temperature 400°F / 204°C:

FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape – Flame Retardant

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



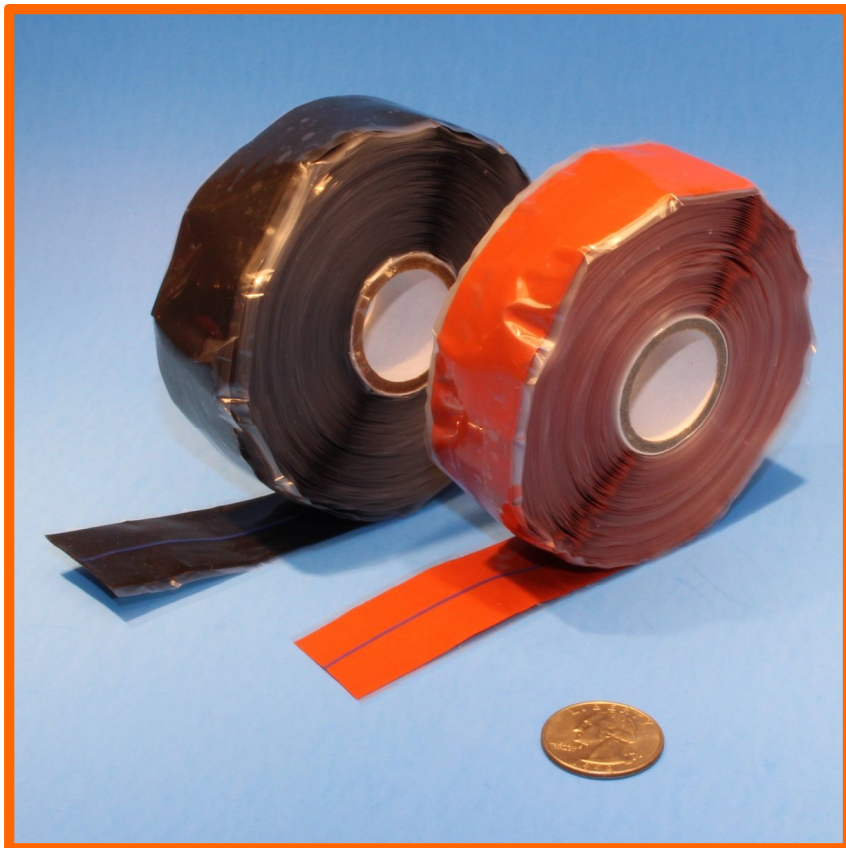
- Produced with UL V-0 recognized flame retardant silicone rubber compound.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets A-A-59163 and other proprietary specifications.
- -65°F / -51°C low temperature range.
- CofC available.
- Available in Brown or Black.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

**FlameShield™ Flame Resistant High Temperature Silicone Self Fusing
Compression/Stretch Electrical Insulating Tape
Meets UL 94 V-0 Flame Test Standards and A-A-59163 Specifications**

Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
T-SR-UL-16-RXX-10	1 / 25	0.010 / 0.25	I / Rectangular
T-SR-UL-16-RXX-20	1 / 25	0.020 / 0.51	I / Rectangular
T-SR-UL-16-RXX-30	1 / 25	0.030 / 0.76	I / Rectangular
T-SR-UL-16-RXX-40	1 / 25	0.040 / 1.02	I / Rectangular

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres
- For the XX value (color code): BK = Black, BR = Brown

Rockwell International ST0130RB0078 Silicone Rubber Tape
 Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C
FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape
Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 and other proprietary specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ Rockwell International ST0130RB0078 High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width Inches / mm	Tape Thickness Inches / mm
ST0130RB0078 Type I Tape		
T-SR-ST0130RB0078-1T	As per specification	As per specification
ST0130RB0078 Type II Tape		
T-SR-ST0130RB0078-2R-12	As per specification	0.012 / 0.30
T-SR-ST0130RB0078-2R-15	As per specification	0.015 / 0.38
T-SR-ST0130RB0078-2R-20	As per specification	0.020 / 0.51

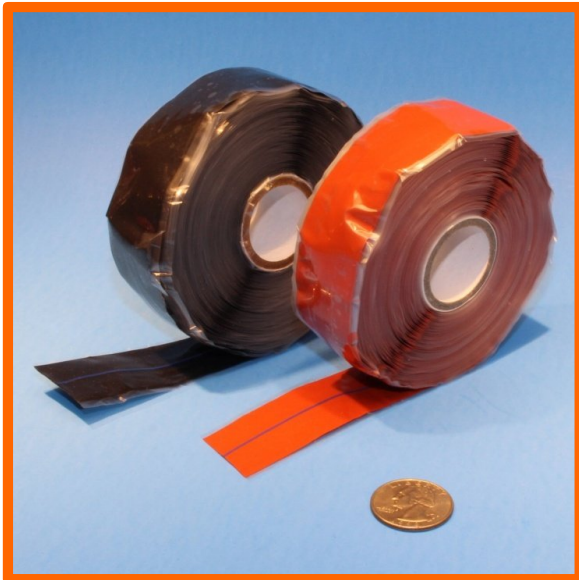
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- All versions of ST0130RB0078 are Oxide-Red

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

General Electric Power Generation A50A493 & 3003M70P Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C
FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical
Insulating Tape

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 and other proprietary specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ General Electric Power Generation Standard A50A493 & 3003M70 High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width Inches / mm	Tape Thickness Inches / mm
A50A493A Tape:		
T-SR-GEPG-93A-T-16-20	1 / 25	0.020 / 0.51
A50A493B Tape:		
T-SR-GEPG-93B-T-16-40	1 / 25	0.040 / 1.02
A50A493C Tape:		
T-SR-GEPG-93C-R-16-20	1 / 25	0.020 / 0.51
A50A493D Tape:		
T-SR-GEPG-93D-R-48-30	3 / 76	0.030 / 0.76
3003M70P01 Tape:		
T-SR-GEPG-P01-T-16-20	1 / 25	0.020 / 0.51
3003M70P02 Tape:		
T-SR-GEPG-P02-R-12-20	3/4 / 19	0.020 / 0.51
3003M70P03 Tape:		
T-SR-GEPG-P03-R-08-20	1/2 / 13	0.020 / 0.51
3003M70P04 Tape:		
T-SR-GEPG-P04-R-24-60	3 / 76	0.060 / 1.52

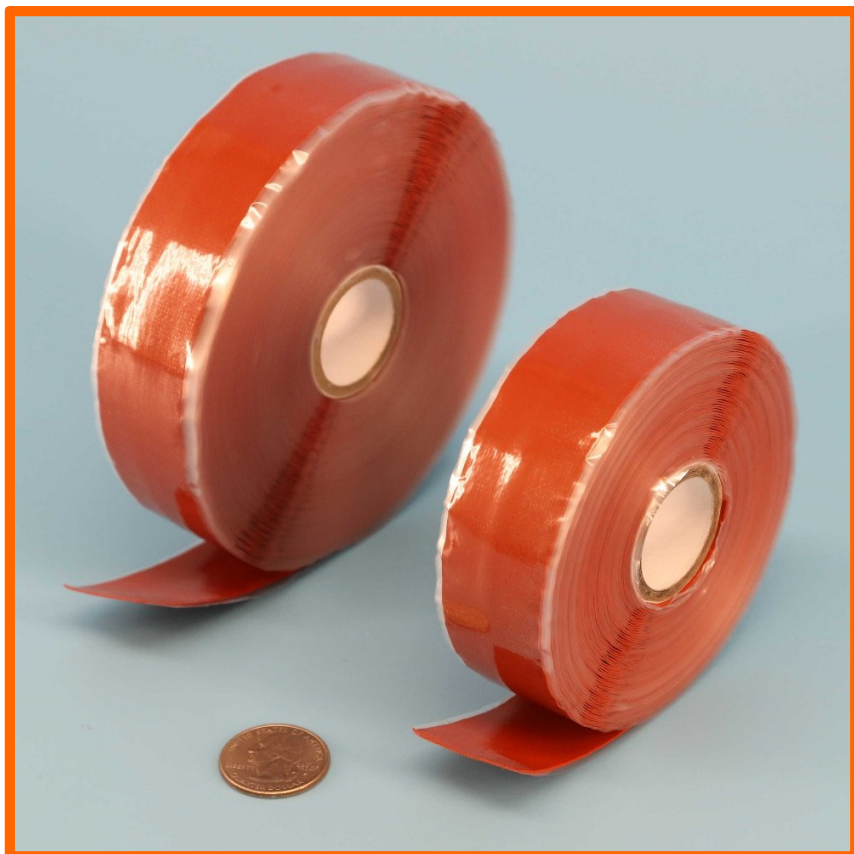
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- All versions of A50A493 are Oxide-Red

General Electric Transportation Systems A50E112 Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-22444 and other proprietary specifications. This is a supported glass reinforced tape.
- Co/C available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ General Electric Transportation Systems Standard A50E112 – Junction Insulation Tape High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width Inches / mm	Tape Thickness Inches / mm
T-SR-A50E112-OR-S25-16-20-12Y	1 / 25	0.020 / 0.51
T-SR-A50E112-OR-S25-16-20-20Y	1 / 25	0.020 / 0.51

- Roll length of 12 yards (12Y in part number) or 20 yards (20Y in part number)
- Tapes are Oxide-Red color

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

General Electric Transportation Systems EMS2074 Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C
FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical
Insulating Tape

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-22444 and other proprietary specifications. This is glass reinforced tape. Color is Oxide-red.
- CoFC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ General Electric Transportation Systems Standard EMS2074 – Junction Insulation Tape High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width Inches / mm	Tape Thickness Inches / mm
T-SR-EMS2074-OR-S25-08-20	1/2 / 13	0.020 / 0.51
T-SR-EMS2074-OR-S25-12-20	3/4 / 19	0.020 / 0.51
T-SR-EMS2074-OR-S25-16-20	1 / 25	0.020 / 0.51

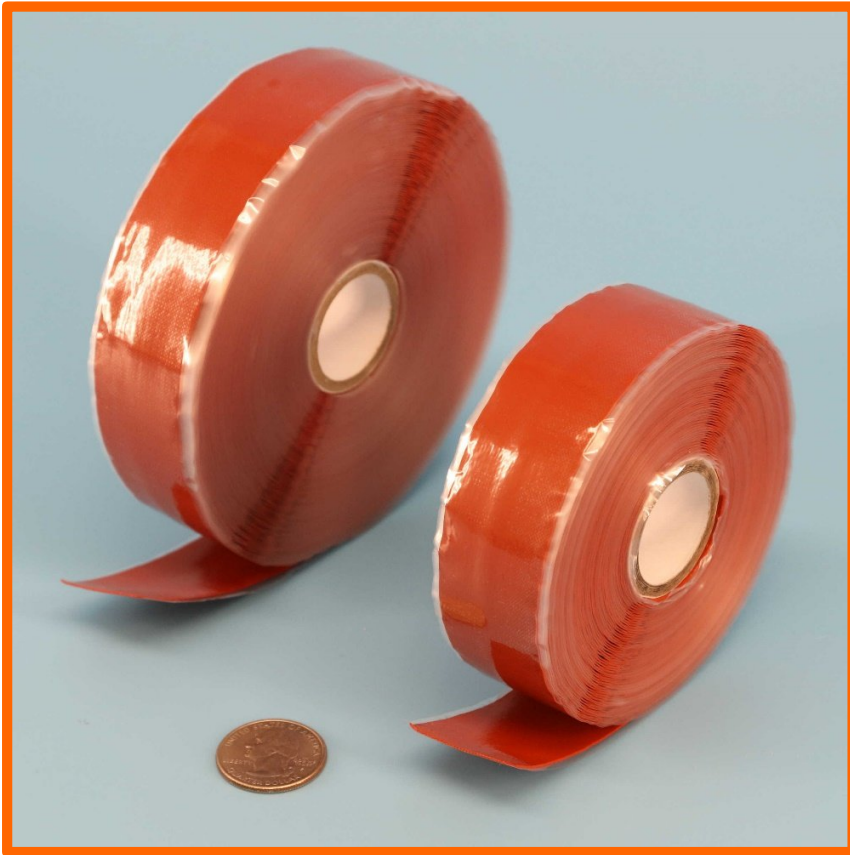
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- Tapes are Oxide-Red

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

General Electric Transportation Systems EMD 8355873 Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C
FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical
Insulating Tape

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



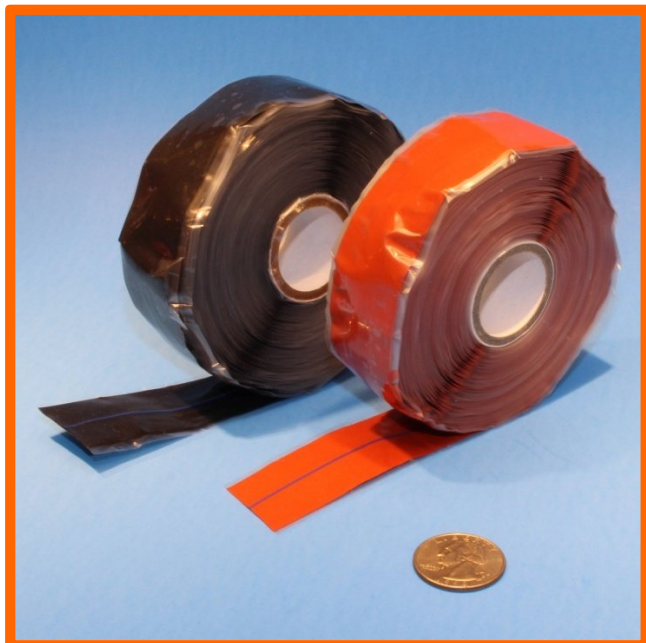
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-22444C specifications. This is a supported glass reinforced tape.
- CoFC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ General Electric Transportation Systems Standard EMD 8355873 – Junction Insulation Tape High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width Inches / mm	Tape Thickness Inches / mm
T-SR-EMD-8355873-OR-S25-16-20-12Y	1 / 25	0.020 / 0.51
T-SR-EMD-8355873-OR-S25-16-20-20Y	1 / 25	0.020 / 0.51

- Roll length of 12 yards (12Y in part number) or 20 yards (20Y in part number)
- Tapes are Oxide-Red color

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Rohr RMS315 Goodrich Aerostructures Silicone Rubber Tape
 Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C
FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape
Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Type I meets Mil-I-22444 and Type II meets Mil-I-46852 and AA59163 specifications.
- Meets FAR 25.853 Appendix F, section a, 1, iv – Horizontal burn rate.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ Rohr Goodrich Aerostructures RMS315 Tape High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width Inches / mm	Tape Thickness Inches / mm
Rohr RMS315 Type I Tape		
T-SR-RMS315-1RS-08-20-XX	1/2 / 13	As per specification
T-SR-RMS315-1RS-16-12-XX	1 / 25	As per specification
Rohr RMS315 Type II Tape		
T-SR-RMS315-2T-20-XX	As per specification	0.020 / 0.51
T-SR-RMS315-2T-30-XX	As per specification	0.030 / 0.76
T-SR-RMS315-2T-A-40-XX	As per specification	0.040 / 1.01
T-SR-RMS315-2T-B-40-XX	As per specification	0.040 / 1.01
T-SR-RMS315-2T-A-50-XX	As per specification	0.050 / 1.27
T-SR-RMS315-2T-B-50-XX	As per specification	0.050 / 1.27
T-SR-RMS315-2T-60-XX	As per specification	0.060 / 1.52
T-SR-RMS315-2T-70-XX	As per specification	0.070 / 1.78
Rohr RMS315 Type III Tape		
T-SR-RMS315-3R	As per specification	As per specification

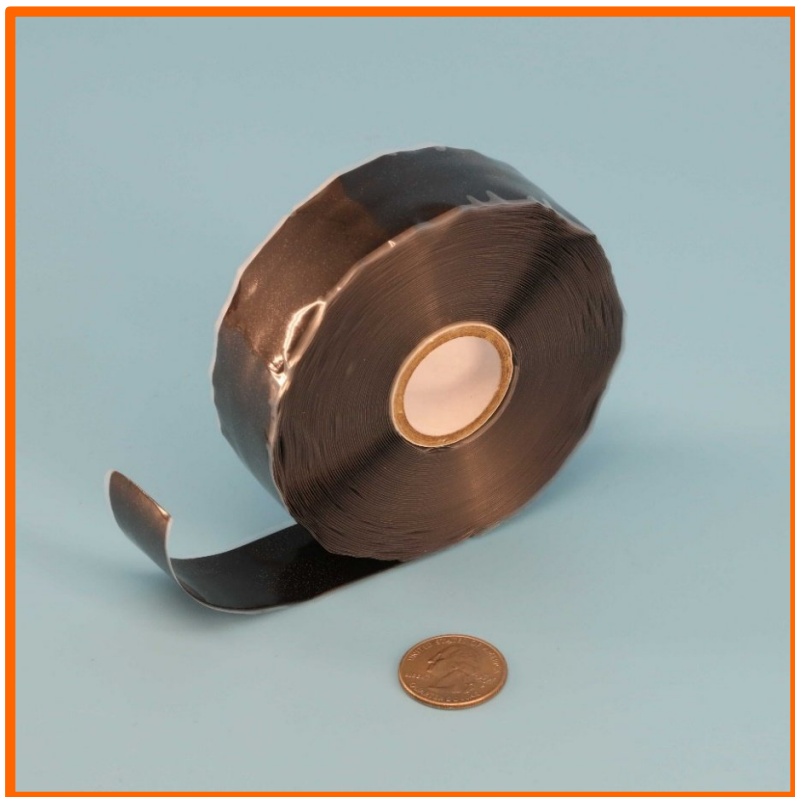
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the XX value (color code): OR = Oxide-Red, BK = Black

Rolls-Royce Allison 23065345 Equivalent Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-46852 / A-A-59163 Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 specifications. C of C.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. Tape is black. CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Rolls-Royce Allison 23065345 Rev B Tape

Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
T-SR-RR23065345-RBK	Per specification	Per specification	Per specification

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

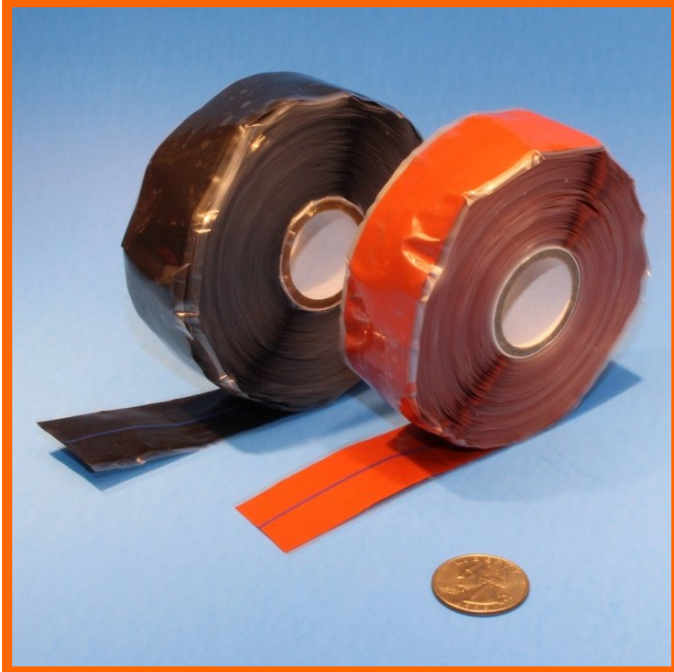
Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

Garmin 249-00114-00 Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

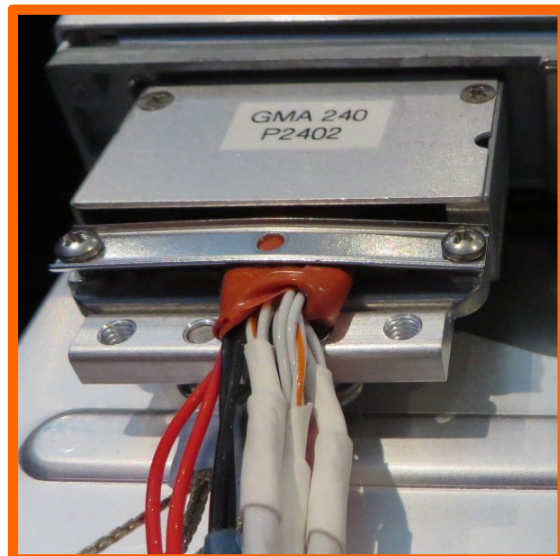
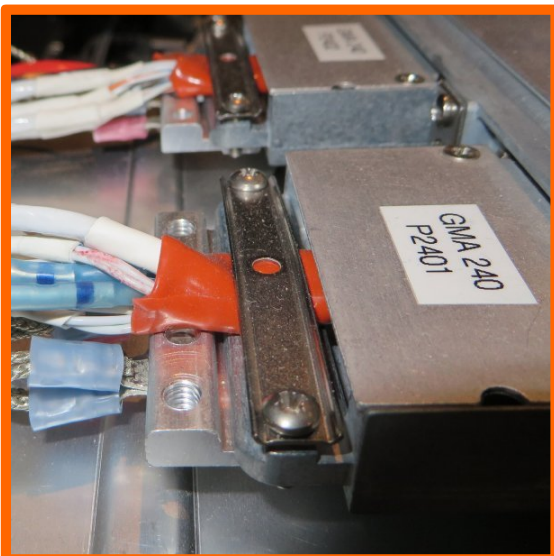
High Temperature, Heat & Flame Resistant



- Garmin 249-00114-00 tape is available in oxide-red and black colors.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Used to protect wiring at the backshell clamp from clamping damage. Also provides equalization of strain relief.
- Used to build up the diameter of the wire bundle so that the cable clamp on the backshell will hold the wires in situations where too few wires would have resulted in the clamp not contacting the wires, resulting in strain on the connector's internal pins.
- Meets Mil-I-46852 / AA59163. CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape Garmin 249-00114-00

Part Number	Tape Width and Thickness Inches / mm	Color
T-SR-Garmin-249-00114-OR	As per Garmin specification	Oxide-Red
T-SR-Garmin-249-00114-BK	As per Garmin specification	Black

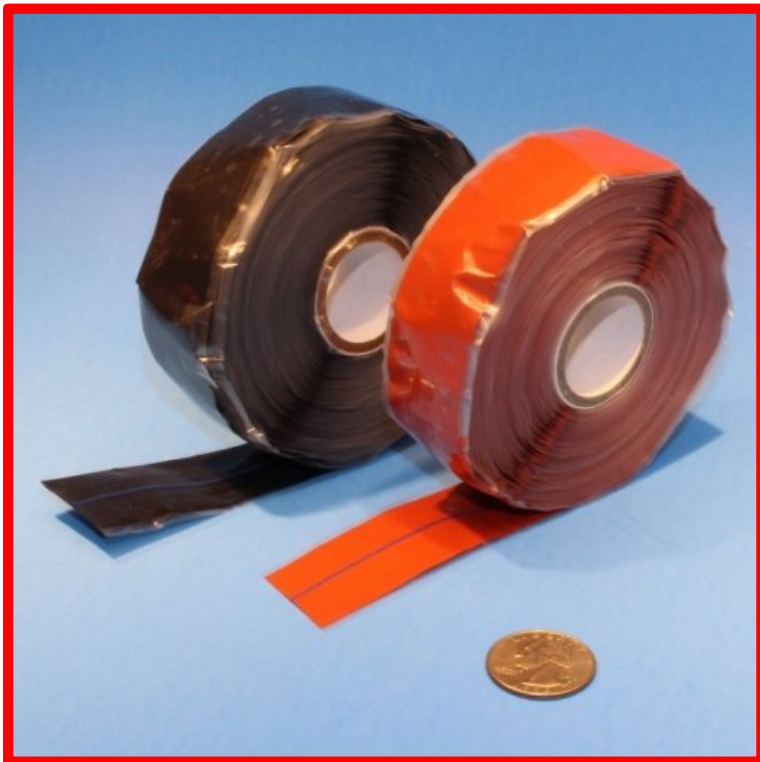


Amphenol Connector Backshell Strain Relief Isolation Tape

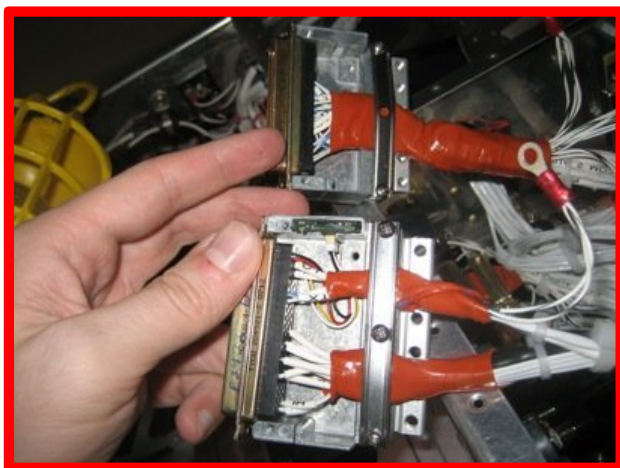
Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Silicone Rubber Isolation Tape

High Temperature, Heat & Flame Resistant



- Available as Type I unsupported (rectangular end profile), Type II unsupported (triangular end profile). Both Types meeting Mil-I-46852 / AA59163 specifications.
- Also available as supported meeting Mil-I-22444 (rectangular end profile).
- Suitable for all Amphenol round and flat backshell strain relief clamps.
- Equivalent to Garmin 249-00114-00 tape for aviation use.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape. Used to protect wiring at the backshell clamp from clamping damage. Also provides equalization of strain relief.
- Used to build up the diameter of the wire bundle so that the cable clamp on the backshell will hold the wires in situations where too few wires would have resulted in the clamp not contacting the wires, resulting in strain on the connector's internal pins.
- Available as Class 1 Type I and Type II or Class 2 tape Type I and Type II. (Class 1 is inch-pound specification, Class 2 is millimetre-kg specification)
- Available in Oxide-Red and Black.
- Standard tape thickness includes .020", .030" and .040".
- Standard widths include 0.500", 0.625", 0.750", 1.000", 1.500", 2.000".
- C of C available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

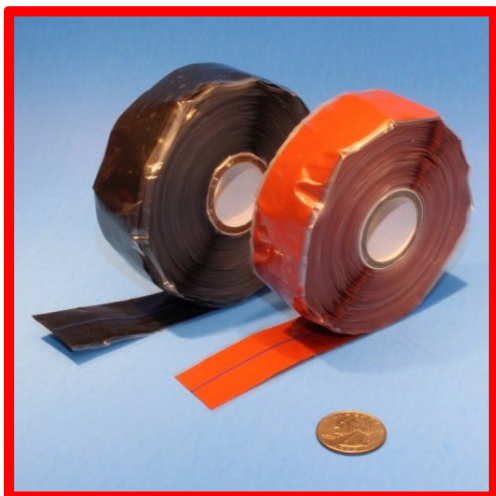


Type I unsupported tape is rectangular in end profile view. It is preferred for making custom bushings, vibration dampeners, etc. Type II unsupported tape is triangular in end profile view. It is particularly suitable for wrapping splices, wiring bundles and cables as it forms a smoother surface and minimizes snagging if pulling wiring through bundles. Type I and Type II meet MIL-I-46852 and AA-59163 specifications. Unsupported tape means that there is no fiberglass interweave layer inside the tape, which is used to limit the ultimate elongation of the tape when it is stretched during installation.

The supported version of the tape is rectangular in end profile view (it looks like Type I tape), and includes a fiberglass reinforcement layer to limit the amount of stretch (elongation) that the tape can undergo (which limits how thin the tape results in being after stretching), prevents migration of the silicone under high clamping forces or around high angle bends or sharp corners. Supported tapes meet MIL-I-22444 specification.

MIL-I-46852 and AA-59163 specifications are very similar to MIL-I-22444 specifications, with the exception of the elongation values - which are lower in tapes meeting MIL-I-22444 due to the fiberglass supporting layer.

Amphenol Connector Backshell Strain Relief Isolation Tape/Bushing
500°F / 260°C: FlameShield™ Silicone Rubber Isolation Tape
High Temperature, Heat & Flame Resistant



Amphenol Connector Backshell Strain Relief Isolation Tape Meets MIL-I-46852 / A-A-59163 / ABS 5334 Specifications - Type I and Type II Version MIL-I-22444 Supported Version			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Color / Type / Profile
Unsupported MIL-I-46852 / AA-59163 Type I and Type II tapes below			
T-SR-AMPHENOL-08-RXX-20	1/2 / 12.7	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-AMPHENOL-08-RXX-30	1/2 / 12.7	0.030 / 0.760	Black or Oxide-red / I / Rectangular
T-SR-AMPHENOL-10-RXX-20	5/8 / 15.7	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-AMPHENOL-12-RXX-20	3/4 / 19	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-AMPHENOL-16-RXX-10	1 / 25.4	0.010 / 0.254	Black or Oxide-red / I / Rectangular
T-SR-AMPHENOL-16-TXX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red / II / Triangular
T-SR-AMPHENOL-16-RXX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-AMPHENOL-16-TXX-40	1 / 25.4	0.040 / 1.000	Black or Oxide-red / II / Triangular
T-SR-AMPHENOL-16-RXX-40	1 / 25.4	0.040 / 1.000	Black or Oxide-red / I / Rectangular
T-SR-AMPHENOL-24-RXX-20	1 1/2 / 38.1	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-AMPHENOL-24-RXX-12	1 1/2 / 38.1	0.012 / 0.304	Black or Oxide-red / I / Rectangular
On the above tapes that are Type II, the guideline color is: blue on .020" thick tapes / white on .030" thick tapes / green on .040" thick tapes			
Supported MIL-I-22444 tapes below			
T-SR-AMPHENOL-16-S25XX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red
T-SR-AMPHENOL-16-S25XX-40	1 / 25.4	0.040 / 1.01	Black or Oxide-red

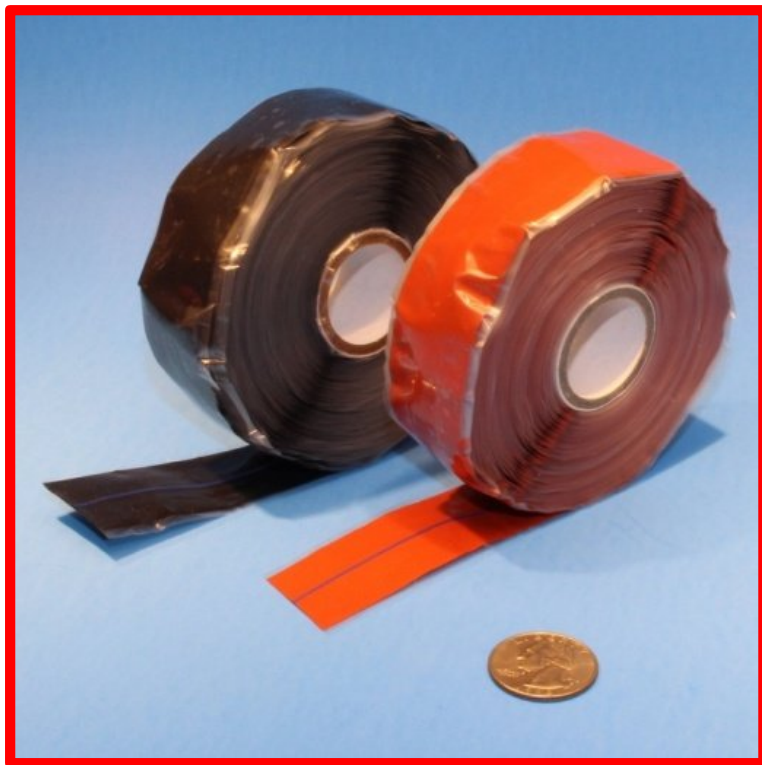
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the X value (color code): OR = Oxide-Red, BK = Black

ITT Canon Connector Backshell Strain Relief Isolation Tape

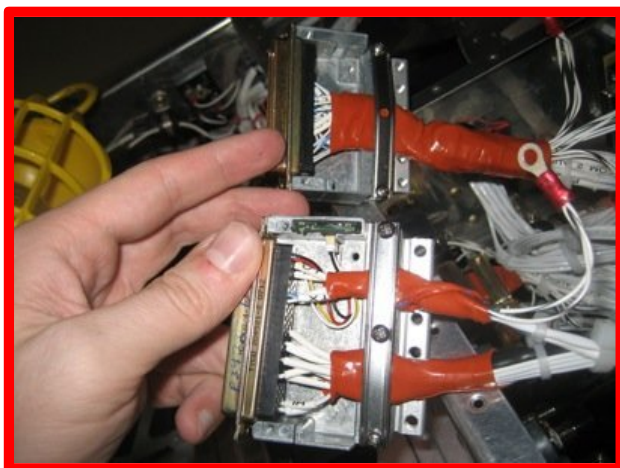
Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Silicone Rubber Isolation Tape

High Temperature, Heat & Flame Resistant



- Available as Type I unsupported (rectangular end profile), Type II unsupported (triangular end profile). Both Types meeting Mil-I-46852 / AA59163 specifications.
- Also available as supported meeting Mil-I-22444 (rectangular end profile).
- Suitable for all ITT / Canon round and flat backshell strain relief clamps.
- Equivalent to Garmin 249-00114-00 tape for aviation use.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape. Used to protect wiring at the backshell clamp from clamping damage. Also provides equalization of strain relief.
- Used to build up the diameter of the wire bundle so that the cable clamp on the backshell will hold the wires in situations where too few wires would have resulted in the clamp not contacting the wires, resulting in strain on the connector's internal pins.
- Available as Class 1 Type I and Type II or Class 2 tape Type I and Type II. (Class 1 is inch-pound specification, Class 2 is millimetre-kg specification)
- Available in Oxide-Red and Black.
- Standard tape thickness includes .020", .030" and .040".
- Standard widths include 0.500", 0.625", 0.750", 1.000", 1.500", 2.000".
- C of C available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

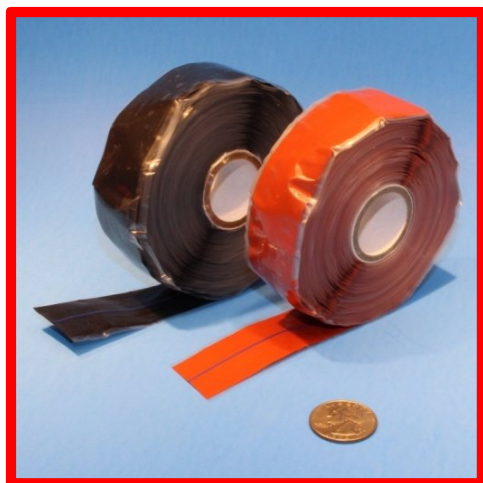


Type I unsupported tape is rectangular in end profile view. It is preferred for making custom bushings, vibration dampeners, etc. Type II unsupported tape is triangular in end profile view. It is particularly suitable for wrapping splices, wiring bundles and cables as it forms a smoother surface and minimizes snagging if pulling wiring through bundles. Type I and Type II meet MIL-I-46852 and AA-59163 specifications. Unsupported tape means that there is no fiberglass interweave layer inside the tape, which is used to limit the ultimate elongation of the tape when it is stretched during installation.

The supported version of the tape is rectangular in end profile view (it looks like Type I tape), and includes a fiberglass reinforcement layer to limit the amount of stretch (elongation) that the tape can undergo (which limits how thin the tape results in being after stretching), prevents migration of the silicone under high clamping forces or around high angle bends or sharp corners. Supported tapes meet MIL-I-22444 specification.

MIL-I-46852 and AA-59163 specifications are very similar to MIL-I-22444 specifications, with the exception of the elongation values - which are lower in tapes meeting MIL-I-22444 due to the fiberglass supporting layer.

ITT Canon Connector Backshell Strain Relief Isolation Tape/Bushing
500°F / 260°C: FlameShield™ Silicone Rubber Isolation Tape
High Temperature, Heat & Flame Resistant



ITT Canon Connector Backshell Strain Relief Isolation Tape			
Meets MIL-I-46852 / A-A-59163 / ABS 5334 Specifications - Type I and Type II Version			
MIL-I-22444 Supported Version			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Color / Type / Profile
Unsupported MIL-I-46852 / AA-59163 Type I and Type II tapes below			
T-SR-ITT CANON-08-RXX-20	1/2 / 12.7	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-ITT CANON-08-RXX-30	1/2 / 12.7	0.030 / 0.760	Black or Oxide-red / I / Rectangular
T-SR-ITT-CANON-10-RXX-20	5/8 / 15.7	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-ITT-CANON-12-RXX-20	3/4 / 19	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-ITT-CANON-16-RXX-10	1 / 25.4	0.010 / 0.254	Black or Oxide-red / I / Rectangular
T-SR-ITT-CANON-16-TXX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red / II / Triangular
T-SR-ITT-CANON-16-RXX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-ITT-CANON-16-TXX-40	1 / 25.4	0.040 / 1.000	Black or Oxide-red / II / Triangular
T-SR-ITT-CANON-16-RXX-40	1 / 25.4	0.040 / 1.000	Black or Oxide-red / I / Rectangular
T-SR-ITT-CANON-24-RXX-20	1 1/2 / 38.1	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-ITT-CANON-24-RXX-12	1 1/2 / 38.1	0.012 / 0.304	Black or Oxide-red / I / Rectangular
On the above tapes that are Type II, the guideline color is: blue on .020" thick tapes / white on .030" thick tapes / green on .040" thick tapes			
Supported MIL-I-22444 tapes below			
T-SR-ITT-CANON-16-S25XX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red
T-SR-ITT-CANON-16-S25XX-40	1 / 25.4	0.040 / 1.01	Black or Oxide-red

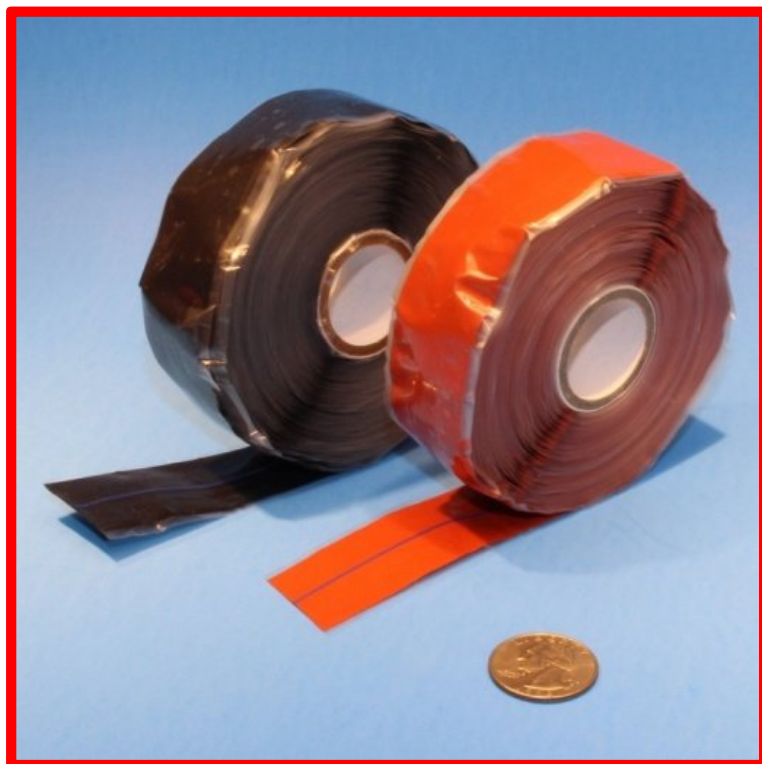
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the X value (color code): OR = Oxide-Red, BK = Black

PEI-Genesis™ Connector Backshell Strain Relief Isolation Tape

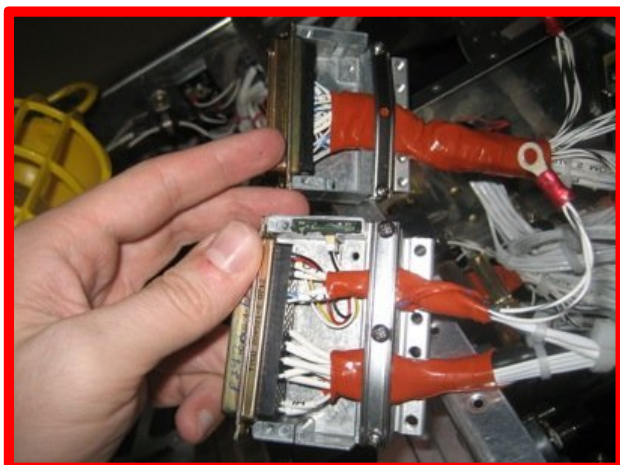
Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Silicone Rubber Isolation Tape

High Temperature, Heat & Flame Resistant



- Available as Type I unsupported (rectangular end profile), Type II unsupported (triangular end profile). Both Types meeting Mil-I-46852 / AA59163 specifications.
- Also available as supported meeting Mil-I-22444 (rectangular end profile).
- Suitable for all Amphenol / ITT / Canon round and flat backshell strain relief clamps.
- Equivalent to Garmin 249-00114-00 tape for aviation use.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape. Used to protect wiring at the backshell clamp from clamping damage. Also provides equalization of strain relief.
- Used to build up the diameter of the wire bundle so that the cable clamp on the backshell will hold the wires in situations where too few wires would have resulted in the clamp not contacting the wires, resulting in strain on the connector's internal pins.
- Available as Class 1 Type I and Type II or Class 2 tape Type I and Type II. (Class 1 is inch-pound specification, Class 2 is millimetre-kg specification)
- Available in Oxide-Red and Black.
- Standard tape thickness includes .020", .030" and .040".
- Standard widths include 0.5", 0.75", 1.00", 1.50", 2.00".
- Manufacturer C of C available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

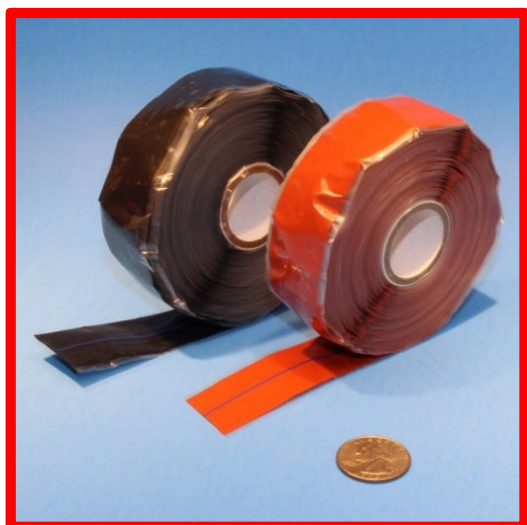


Type I unsupported tape is rectangular in end profile view. It is preferred for making custom bushings, vibration dampeners, etc. Type II unsupported tape is triangular in end profile view. It is particularly suitable for wrapping splices, wiring bundles and cables as it forms a smoother surface and minimizes snagging if pulling wiring through bundles. Type I and Type II meet MIL-I-46852 and AA-59163 specifications. Unsupported tape means that there is no fiberglass interweave layer inside the tape, which is used to limit the ultimate elongation of the tape when it is stretched during installation.

The supported version of the tape is rectangular in end profile view (it looks like Type I tape), and includes a fiberglass reinforcement layer to limit the amount of stretch (elongation) that the tape can undergo (which limits how thin the tape results in being after stretching), prevents migration of the silicone under high clamping forces or around high angle bends or sharp corners. Supported tapes meet MIL-I-22444 specification.

MIL-I-46852 and AA-59163 specifications are very similar to MIL-I-22444 specifications, with the exception of the elongation values - which are lower in tapes meeting MIL-I-22444 due to the fiberglass supporting layer.

PEI-Genesis™ Connector Backshell Strain Relief Isolation Tape/Bushing
500°F / 260°C: FlameShield™ Silicone Rubber Isolation Tape
High Temperature, Heat & Flame Resistant



PEI-Genesis™ Connector Backshell Strain Relief Isolation Tape
Meets MIL-I-46852 / A-A-59163 / ABS 5334 Specifications - Type I and Type II Version
MIL-I-22444 Supported Version

Part Number	Tape Width Inches / mm	Thickness inches / mm	Color / Type / Profile
Unsupported MIL-I-46852 / AA-59163 Type I and Type II tapes below			
T-SR-PEI-GENESIS-08-RBK-20	1/2 / 12.7	0.020 / 0.508	Black / I / Rectangular
T-SR-PEI-GENESIS-08-RXX-30	1/2 / 12.7	0.030 / 0.760	Black or Oxide-red / I / Rectangular
T-SR-PEI-GENESIS-10-RBK-20	5/8 / 15.7	0.020 / 0.508	Black / I / Rectangular
T-SR-PEI-GENESIS-12-RXX-20	3/4 / 19	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-PEI-GENESIS-16-TXX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red / II / Triangular
T-SR-PEI-GENESIS-16-RXX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-PEI-GENESIS-16-TXX-30	1 / 25.4	0.030 / 0.760	Black or Oxide-red / II / Triangular
T-SR-PEI-GENESIS-16-RXX-30	1 / 25.4	0.030 / 0.760	Black or Oxide-red / I / Rectangular
T-SR-PEI-GENESIS-16-TXX-40	1 / 25.4	0.040 / 1.000	Black or Oxide-red / II / Triangular
T-SR-PEI-GENESIS-16-RXX-40	1 / 25.4	0.040 / 1.000	Black or Oxide-red / I / Rectangular
T-SR-PEI-GENESIS-24-RXX-20	1 1/2 / 38.1	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-PEI-GENESIS-24-RXX-12	1 1/2 / 38.1	0.012 / 0.304	Black or Oxide-red / I / Rectangular
On the above tapes that are Type II, the guideline color is: blue on .020" thick tapes / white on .030" thick tapes / green on .040" thick tapes			
Supported MIL-I-22444 tapes below			
T-SR-PEI-GENESIS-16-S25XX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red
T-SR-PEI-GENESIS-16-S25XX-40	1 / 25.4	0.040 / 1.01	Black or Oxide-red

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the XX value (color code): OR = Oxide-Red, BK = Black

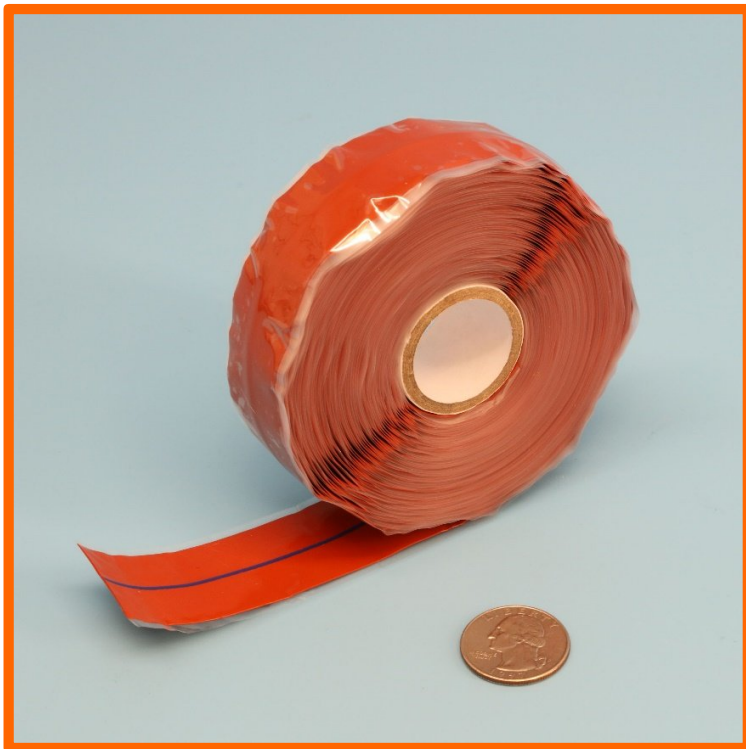
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Saint Gobain CHR4440 Silicone Rubber Equivalent Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

High Temperature, Heat & Flame Resistant

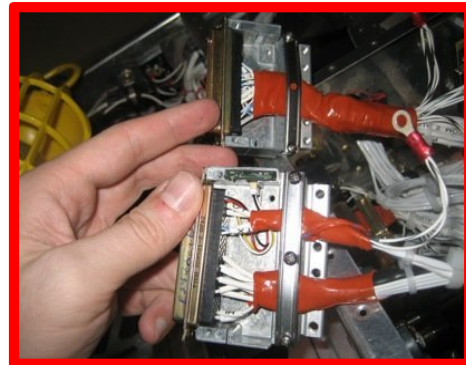
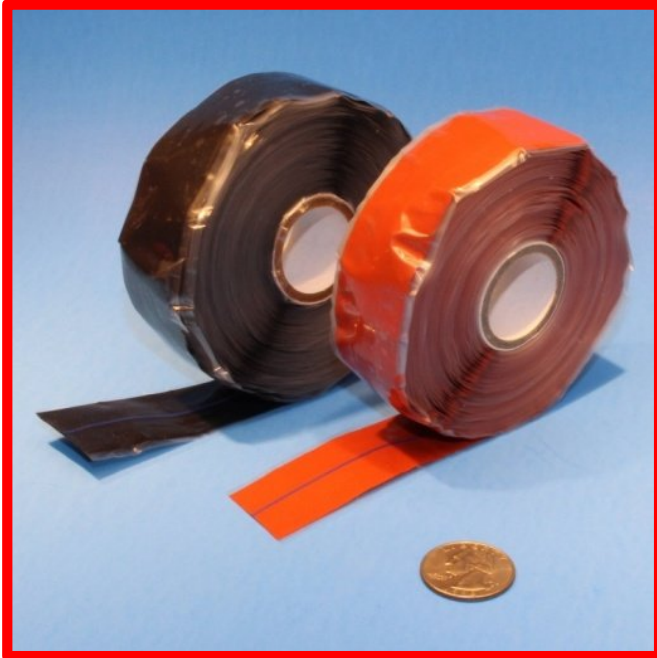


- CHR4440 tape is oxide-red color.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Used to protect wiring at the backshell clamp from clamping damage. Also provides equalization of strain relief.
- Used to build up the diameter of the wire bundle so that the cable clamp on the backshell will hold the wires in situations where too few wires would have resulted in the clamp not contacting the wires, resulting in strain on the connector's internal pins.
- Meets Mil-I-46852 / AA59163 and other specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ CHR4440 Saint Gobain Equivalent High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width and Thickness Inches / mm	Color
T-SR-CHR4440-16-40-TOR	As per specification	Oxide-Red

All trademarks and tradenames are property of their respective owners

Thomas&Betts Equivalent Self-Fusing Insulation Tape
Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C
FlameShield™ Silicone Rubber Isolation Tape
High Temperature, Heat & Flame Resistant



- Equivalent to TBFT201-36 & TBFT421-36 tape.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape. Used to protect wiring at the backshell clamp from clamping damage. Also provides equalization of strain relief.
- Used to build up the diameter of the wire bundle so that the cable clamp on the backshell will hold the wires in situations where too few wires would have resulted in the clamp not contacting the wires, resulting in strain on the connector's internal pins.
- Meets all Mil-I-46852 / A-A-59163 and other proprietary electrical and mechanical specifications. CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Thomas&Betts Equivalent Self-Fusing Insulation Tape			
Meets MIL-I-46852 / A-A-59163 / ABS 5334 Specifications - Type I and Type II			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Colour / Type / Profile
T-SR-TBFT201-36-R	1 / 25.4	0.020 / 0.51	Red / II / Triangular
T-SR-TBFT201-36-B	1 / 25.4	0.020 / 0.51	Black / II / Triangular
T-SR-TBFT421-36-R	1 / 25.4	0.040 / 1.02	Red / II / Triangular
T-SR-TBFT421-36-B	1 / 25.4	0.040 / 1.02	Black / II / Triangular

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.

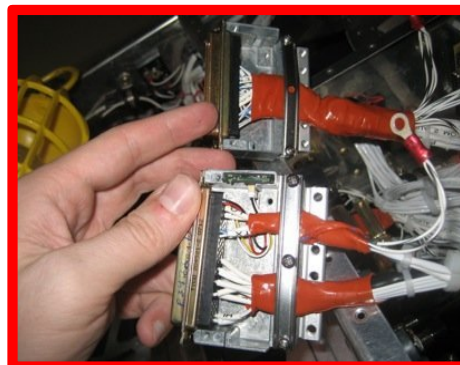
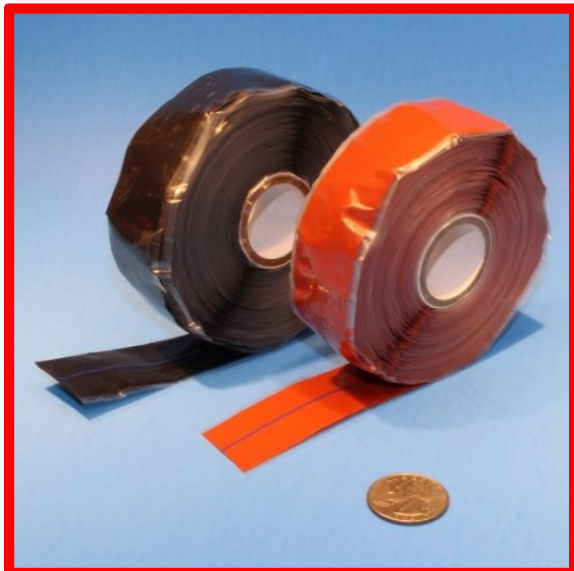
All trademarks and tradenames are property of their respective owners

Tyco Electronics TE Connectivity 608036 Equivalent Silicone Fusion Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Silicone Rubber Isolation Tape

High Temperature, Heat & Flame Resistant



- Equivalent to TYCO Electronics TE Connectivity 608036 tape.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape. Used to protect wiring at the backshell clamp from clamping damage. Also provides equalization of strain relief.
- Used to build up the diameter of the wire bundle so that the cable clamp on the backshell will hold the wires in situations where too few wires would have resulted in the clamp not contacting the wires, resulting in strain on the connector's internal pins.
- Meets all Mil-I-46852 / AA59163 and other proprietary electrical and mechanical specifications. CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Tyco Electronics TE Connectivity Equivalent 608036 Silicone Fusion Tape Meets MIL-I-46852 / A-A-59163 / ABS 5334 Specifications - Type I and Type II			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Colour / Type / Profile
T-SR-TYCO-TE-608036-1 (ST1R236)	1 / 25.4	0.020 / 0.51	Red / II / Triangular
T-SR-TYCO-TE-608036-1B (ST1B236)	1 / 25.4	0.020 / 0.51	Black / II / Triangular
T-SR-TYCO-TE-608036-2 (ST1G236)	1 / 25.4	0.020 / 0.51	Gray / II / Triangular
T-SR-TYCO-TE-608036-4 (ST1G336)	1 / 25.4	0.030 / 0.76	Gray / II / Triangular
T-SR-TYCO-TE-608036-6 (ST14R436)	1.25 / 31.8	0.040 / 1.02	Red / II / Triangular
Guideline Colour on Triangular Tapes Only: .020" = blue / .030" = white / .040" = green			

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.

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FAA FAR 25.853 - Appendix F Horizontal and Vertical Burn Rate Limits Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 specifications.
- Meets FAR 25.853 Appendix F, section a, 1, iv – Horizontal burn rate.
- Meets FAR 25.853 Appendix F, section a, 1, ii – Vertical burn rate
- CofC available.

FlameShield™ FAA FAR 25.853 Tape High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width Inches / mm	Tape Thickness Inches / mm
FAA FAR 25.853 Type I Tape (Other Widths / Thickness / Lengths Available)		
T-SR-FAR-1-08-20	1/2 / 13	0.020 / 0.51
T-SR-FAR-1-16-12	1 / 25	0.012 / 0.30
T-SR-FAR-1-16-20	1 / 25	0.020 / 0.51
FAA FAR 25.853 Type II Tape (Other Widths / Thickness / Lengths Available)		
T-SR-FAR-2-16-20	1 / 25	0.020 / 0.51
T-SR-FAR-2-16-30	1 / 25	0.030 / 0.76
T-SR-FAR-2-16-40	1 / 25	0.040 / 1.01

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- Color is brown only

NSN & NATO Mil Spec Silicone Rubber Electrical Insulation Tapes



Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C
FlameShield™ MIL Spec Silicone Rubber Self Fusing Compression & Stretch Tape
with National Stock Number (NSN & NATO)

Cage L8347

Meets MIL-I-46852 / A-A-59163 / MIL-I-22444 & Many Other Proprietary Specifications
Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- Meet various specifications, including MIL-I-46852, A-A-59163 & MIL-I-22444. CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Call for availability

These tapes are not interchangeable. The NSN number specifies other parameters of the tape such as thickness, profile, width, reinforcement, rubber formulation, etc.

Some tapes are stock. Non stock items typically are 10 to 15 days to produce. Some may incur minimum order quantity (typically 12, 18, 24, 30 or 36 rolls).

NSN & NATO Mil Spec Silicone Rubber Electrical Insulation Tapes – Cage L8347

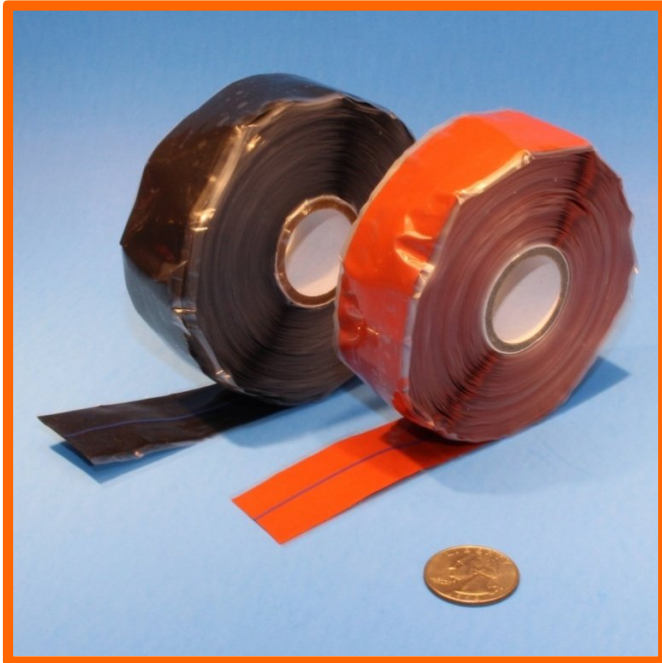


NSN / NATO National Stock Numbers	Color	Our Part Number
5970-00-082-3226	Black or Red	T-SR-NSN-00-082-3226
5970-00-177-1627	Black	T-SR-NSN-00-177-1627
5970-00-446-3928	Black	T-SR-NSN-00-446-3928
5970-00-446-8928	Red	T-SR-NSN-00-446-8928
5970-00-480-1329	Red	T-SR-NSN-00-480-1329
5970-00-782-5056	Red	T-SR-NSN-00-782-5056
5970-00-841-1172	Red	T-SR-NSN-00-841-1172
5970-00-949-4846	Red	T-SR-NSN-00-949-4846
5970-00-955-9976	Black	T-SR-NSN-00-955-9976
5970-01-140-5672	Red	T-SR-NSN-01-140-5672
5970-01-142-8454	Red	T-SR-NSN-01-142-8454
5970-01-147-3595	Red or Black	T-SR-NSN-01-147-3595
5970-01-250-8756	Red	T-SR-NSN-01-250-8756
5970-01-259-5830	Red or Black	T-SR-NSN-01-259-5830
5970-01-263-0373	Red	T-SR-NSN-01-263-0373
5970-01-263-3931	Black	T-SR-NSN-01-263-3931
5970-01-273-6030	Red or Black	T-SR-NSN-01-273-6030
5970-01-276-5277	Red or Black	T-SR-NSN-01-276-5277
5970-01-286-7456	Red	T-SR-NSN-01-286-7456
5970-01-325-8971	Red or Black	T-SR-NSN-01-325-8971
5970-01-342-8289	Black	T-SR-NSN-01-342-8289
5970-01-358-0397	Black or Red	T-SR-NSN-01-358-0397
5970-01-396-1601	Red	T-SR-NSN-01-396-1601
5970-01-432-6018	Red	T-SR-NSN-01-432-6018
5970-01-450-4130	Black	T-SR-NSN-01-450-4130
Red or Black	T-SR-NSN-01-485-5980	5970-01-485-5980
5970-01-491-8992	Black	T-SR-NSN-01-491-8992
5970-01-495-5211	Black	T-SR-NSN-01-495-5211
5970-01-541-9092	Red or Black	T-SR-NSN-01-541-9092
9320-01-552-7024	Red or Black	T-SR-NSN-01-552-7024
5970-01-560-3208	Red or Black	T-SR-NSN-01-560-3208
5970-01-596-7929	Red or Black	T-SR-NSN-01-596-7929
8030-01-587-1885	Red	T-SR-NSN-01-587-1885
5970-01-600-6091	Red	T-SR-NSN-01-600-6091
5970-00-839-0824	Red	T-SR-NSN-00-839-0824
5970-14-459-8605	Black	T-SR-NSN-14-459-8605
5970-14-467-8824		T-SR-NSN-14-467-8824
5970-14-474-7041		T-SR-NSN-14-474-8824
5330-01-479-4233	Black	T-SR-NSN-01-479-4233
5970-01-276-5277	Gray	T-SR-NSN-01-276-5277
5970-01-592-3238	Gray	T-SR-NSN-01-592-3238

TYT200-1 ColeFlex “No Heat” Equivalent Silicone Rubber Self Fusing Waterproof Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C
FlameShield™ - Meets MIL-I-46852 / A-A-59163 & Many Other Proprietary Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold temperature performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- Meets Mil-I-46852, AA59163 and many proprietary specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ TYT200-1 ColeFlex “No Heat” Equivalent Silicone Rubber Self Fusing Insulating Tape – Type I and Type II		
Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
TYT200-1 Type I & Type II		
T-SR-TYT200-1-36-X-YY	1 / 25	0.020 / 0.51
T-SR-TYT200-1-14-X-ZZ	1 / 25	0.020 / 0.51

- For the X value (Type): I = Type I; II = Type II
- For the YY value (color code): OR = Oxide-Red, BK = Black
- For the ZZ value (color code): OR = Oxide-Red, BK = Black, WH = White, BU = Blue, GR = Green, YL = Yellow
- T-SR-TYT200-1-36 is a stock item; T-SR-TYT200-1-14 minimum order 36 rolls

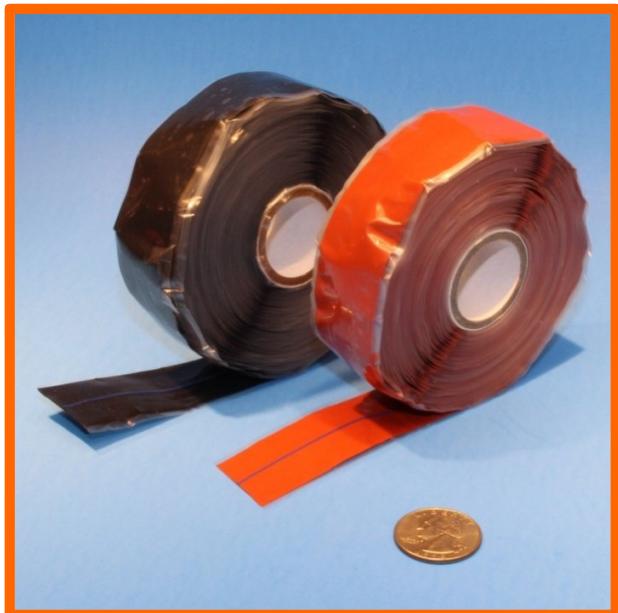
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MOX 602 / MOX 603 / MOX 604 Equivalent T Series MIL Spec Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-46852 / A-A-59163 & Other Proprietary Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and A-A-59163 specifications. Certification available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

MOX 602 / MOX 603 / MOX 604 Equivalent T Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape - Meets MIL-I-46852 and A-A-59163 Specifications			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
602 / 603 / 604 Mil-I-46852 / AA59163 Tapes: Type II			
T-SR-MOX-602-.75-TXX	3/4 / 19	0.020 / 0.50	II / Triangular
T-SR-MOX-602-1.0-TXX	1 / 25	0.020 / 0.50	II / Triangular
T-SR-MOX-602-1.5-TXX	1 ½ / 38	0.020 / 0.50	II / Triangular
T-SR-MOX-603-.75-TXX	3/4 / 19	0.030 / 0.76	II / Triangular
T-SR-MOX-603-1.0-TXX	1 / 25	0.030 / 0.76	II / Triangular
T-SR-MOX-603-1.5-TXX	1 ½ / 38	0.030 / 0.76	II / Triangular
T-SR-MOX-604-.75-TXX	3/4 / 19	0.040 / 1.00	II / Triangular
T-SR-MOX-604-1.0-TXX	1 / 25	0.040 / 1.00	II / Triangular
T-SR-MOX-604-1.5-TXX	1 ½ / 38	0.040 / 1.00	II / Triangular

Please enquire for pricing on sizes other than those listed above.
This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

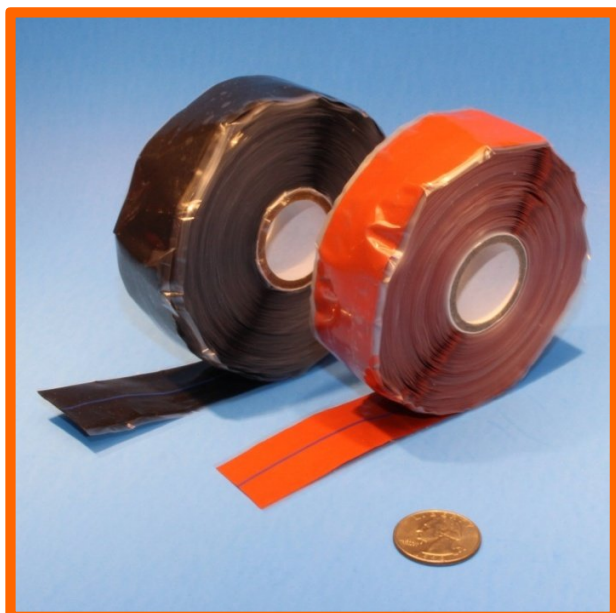
Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing splices and joints with an almost totally smooth surface (prevents snagging when splice pulled through obstructions).

MOX 615 / MOX 620 / MOX 630 / MOX 640 Equivalent R Series MIL Spec Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-46852 / A-A-59163 & Other Proprietary Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 specifications. Certification available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black. CoC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

MOX 620 / MOX 630 / MOX 640 Equivalent R Series MIL Spec High Temperature Silicone Self Fusing Tape Electrical Insulating Tape. Meets MIL-I-46852 and A-A-59163 Specifications			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
MOX 615 / MOX 620 / MOX 630 / MOX 640 Mil-I-46852 / AA59163 Tapes: Type I			
T-SR-MOX-615-1.0-RXX	1 / 25	0.015 / 0.38	I / Rectangular
T-SR-MOX-620-.50-RXX	1/2 / 13	0.020 / 0.50	I / Rectangular
T-SR-MOX-620-.75-RXX	3/4 / 19	0.020 / 0.50	I / Rectangular
T-SR-MOX-620-1.0-RXX	1 / 25	0.020 / 0.50	I / Rectangular
T-SR-MOX-620-1.5-RXX	1 1/2 / 38	0.020 / 0.50	I / Rectangular
T-SR-MOX-630-.50-RXX	1/2 / 13	0.030 / 0.76	I / Rectangular
T-SR-MOX-630-.75-RXX	3/4 / 19	0.030 / 0.76	I / Rectangular
T-SR-MOX-630-1.0-RXX	1 / 25	0.030 / 0.76	I / Rectangular
T-SR-MOX-630-1.5-RXX	1 1/2 / 38	0.030 / 0.76	I / Rectangular
T-SR-MOX-640-.50-RXX	1/2 / 13	0.040 / 1.00	I / Rectangular
T-SR-MOX-640-.75-RXX	3/4 / 19	0.040 / 1.00	I / Rectangular
T-SR-MOX-640-1.0-RXX	1 / 25	0.040 / 1.00	I / Rectangular
T-SR-MOX-640-1.5-RXX	1 1/2 / 38	0.040 / 1.00	I / Rectangular

Please enquire for pricing on sizes other than those listed above.

This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

MOX Equivalent SA 25% & 15% SB Reinforced / Supported Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-24222 & Other Proprietary Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-22444 specifications. Certification available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

MOX Equivalent 25% SA Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape. Meets MIL-I-22444 Specifications			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
T-SR-MOX-SA00520-RXX	1/2 / 13	0.020 / 0.50	I / Rectangular
T-SR-MOX-SA00720-RXX	3/4 / 19	0.020 / 0.50	I / Rectangular
T-SR-MOX-SA01020-RXX	1 / 25	0.020 / 0.50	I / Rectangular
T-SR-MOX-SA01520-RXX	1 1/2 / 38	0.020 / 0.50	I / Rectangular
T-SR-MOX-SA00530-RXX	1/2 / 13	0.030 / 0.76	I / Rectangular
T-SR-MOX-SA00730-RXX	3/4 / 19	0.030 / 0.76	I / Rectangular
T-SR-MOX-SA01030-RXX	1 / 25	0.030 / 0.76	I / Rectangular
T-SR-MOX-SA01530-RXX	1 1/2 / 38	0.030 / 0.76	I / Rectangular
T-SR-MOX-SA00540-RXX	1/2 / 13	0.040 / 1.00	I / Rectangular
T-SR-MOX-SA00740-RXX	3/4 / 19	0.040 / 1.00	I / Rectangular
T-SR-MOX-SA01040-RXX	1 / 25	0.040 / 1.00	I / Rectangular
T-SR-MOX-SA01540-RXX	1 1/2 / 38	0.040 / 1.00	I / Rectangular

MOX Equivalent 15% Reinforced / Supported Silicone Rubber Self Fusing Electrical Insulating Tape

500°F / 260°C: Meets MIL-I-24222 & Other Proprietary Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



MOX Equivalent 15% SB Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape. Meets MIL-I-22444 Specifications			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
T-SR-MOX-SB00520-RXX	1/2 / 13	0.020 / 0.50	I / Rectangular
T-SR-MOX-SB00720-RXX	3/4 / 19	0.020 / 0.50	I / Rectangular
T-SR-MOX-SB01020-RXX	1 / 25	0.020 / 0.50	I / Rectangular
T-SR-MOX-SB01520-RXX	1 1/2 / 38	0.020 / 0.50	I / Rectangular
T-SR-MOX-SB00530-RXX	1/2 / 13	0.030 / 0.76	I / Rectangular
T-SR-MOX-SB00730-RXX	3/4 / 19	0.030 / 0.76	I / Rectangular
T-SR-MOX-SB01030-RXX	1 / 25	0.030 / 0.76	I / Rectangular
T-SR-MOX-SB01530-RXX	1 1/2 / 38	0.030 / 0.76	I / Rectangular
T-SR-MOX-SB00540-RXX	1/2 / 13	0.040 / 1.00	I / Rectangular
T-SR-MOX-SB00740-RXX	3/4 / 19	0.040 / 1.00	I / Rectangular
T-SR-MOX-SB01040-RXX	1 / 25	0.040 / 1.00	I / Rectangular
T-SR-MOX-SB01540-RXX	1 1/2 / 38	0.040 / 1.00	I / Rectangular

Please enquire for pricing on sizes other than those listed above.

This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

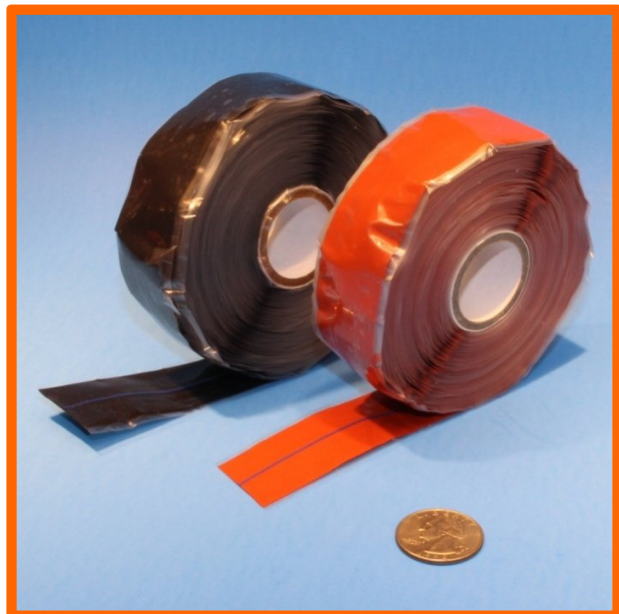
Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

MOX 602 / MOX 603 / MOX 604 OEM T Series MIL Spec Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-46852 / A-A-59163 & Other Proprietary Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 specifications. Certification available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black.
- CofC available.
- Minimum Order Quantities apply to OEM tapes

MOX 602 / MOX 603 / MOX 604 OEM T Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape - Meets MIL-I-46852 and A-A-59163 Specifications			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
602 / 603 / 604 Mil-I-46852 / AA59163 Tapes: Type II			
MOX-602-.75-TXX	3/4 / 19	0.020 / 0.50	II / Triangular
MOX-602-1.0-TXX	1 / 25	0.020 / 0.50	II / Triangular
MOX-602-1.5-TXX	1 ½ / 38	0.020 / 0.50	II / Triangular
MOX-603-.75-TXX	3/4 / 19	0.030 / 0.76	II / Triangular
MOX-603-1.0-TXX	1 / 25	0.030 / 0.76	II / Triangular
MOX-603-1.5-TXX	1 ½ / 38	0.030 / 0.76	II / Triangular
MOX-604-.75-TXX	3/4 / 19	0.040 / 1.00	II / Triangular
MOX-604-1.0-TXX	1 / 25	0.040 / 1.00	II / Triangular
MOX-604-1.5-TXX	1 ½ / 38	0.040 / 1.00	II / Triangular

**Please enquire for pricing on sizes other than those listed above.
This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.**

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

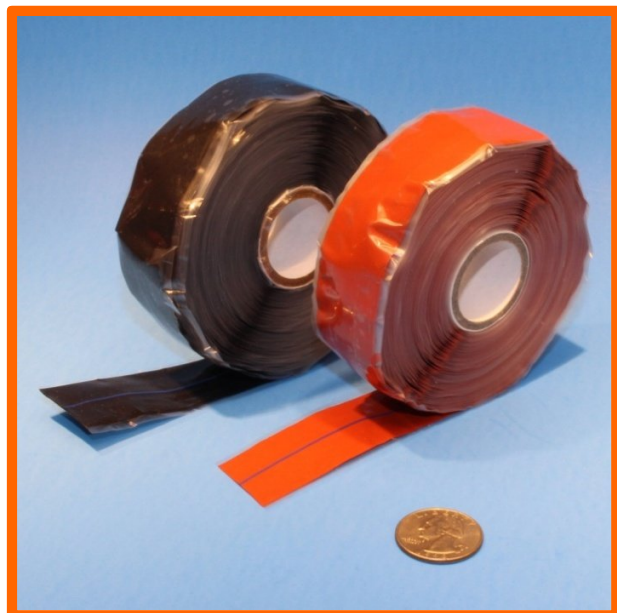
Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing splices and joints with an almost totally smooth surface (prevents snagging when splice pulled through obstructions).

MOX 615 / MOX 620 / MOX 630 / MOX 640 OEM R Series MIL Spec Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-46852 / A-A-59163 & Other Proprietary Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 specifications. Certification available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black. CofC available.
- Minimum Order Quantities apply to OEM tapes.

MOX 620 / MOX 630 / MOX 640 OEM R Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape. Meets MIL-I-46852 and A-A-59163 Specifications			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
MOX 615 / MOX 620 / MOX 630 / MOX 640 Mil-I-46852 / AA59163 Tapes: Type I			
MOX-615-1.0-RXX	1 / 25	0.015 / 0.38	I / Rectangular
MOX-620-.50-RXX	1/2 / 13	0.020 / 0.50	I / Rectangular
MOX-620-.75-RXX	3/4 / 19	0.020 / 0.50	I / Rectangular
MOX-620-1.0-RXX	1 / 25	0.020 / 0.50	I / Rectangular
MOX-620-1.5-RXX	1 1/2 / 38	0.020 / 0.50	I / Rectangular
MOX-630-.50-RXX	1/2 / 13	0.030 / 0.76	I / Rectangular
MOX-630-.75-RXX	3/4 / 19	0.030 / 0.76	I / Rectangular
MOX-630-1.0-RXX	1 / 25	0.030 / 0.76	I / Rectangular
MOX-630-1.5-RXX	1 1/2 / 38	0.030 / 0.76	I / Rectangular
MOX-640-.50-RXX	1/2 / 13	0.040 / 1.00	I / Rectangular
MOX-640-.75-RXX	3/4 / 19	0.040 / 1.00	I / Rectangular
MOX-640-1.0-RXX	1 / 25	0.040 / 1.00	I / Rectangular
MOX-640-1.5-RXX	1 1/2 / 38	0.040 / 1.00	I / Rectangular

Please enquire for pricing on sizes other than those listed above.

This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

MOX OEM 15% & 25% Reinforced / Supported Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-24222 & Other Proprietary Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-22444 specifications. Certification available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black.
- CofC available.

MOX OEM 25% Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape. Meets MIL-I-22444 Specifications			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
MOX-SA00520-RXX	1/2 / 13	0.020 / 0.50	I / Rectangular
MOX-SA00720-RXX	3/4 / 19	0.020 / 0.50	I / Rectangular
MOX-SA01020-RXX	1 / 25	0.020 / 0.50	I / Rectangular
MOX-SA01520-RXX	1 ½ / 38	0.020 / 0.50	I / Rectangular
MOX-SA00530-RXX	1/2 / 13	0.030 / 0.76	I / Rectangular
MOX-SA00730-RXX	3/4 / 19	0.030 / 0.76	I / Rectangular
MOX-SA01030-RXX	1 / 25	0.030 / 0.76	I / Rectangular
MOX-SA01530-RXX	1 ½ / 38	0.030 / 0.76	I / Rectangular
MOX-SA00540-RXX	1/2 / 13	0.040 / 1.00	I / Rectangular
MOX-SA00740-RXX	3/4 / 19	0.040 / 1.00	I / Rectangular
MOX-SA01040-RXX	1 / 25	0.040 / 1.00	I / Rectangular
MOX-SA01540-RXX	1 ½ / 38	0.040 / 1.00	I / Rectangular

MOX OEM 15% Reinforced / Supported Silicone Rubber Self Fusing Electrical Insulating Tape

500°F / 260°C: Meets MIL-I-24222 & Other Proprietary Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



MOX OEM 15% Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape. Meets MIL-I-22444 Specifications			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
MOX-SB00520-RXX	1/2 / 13	0.020 / 0.50	I / Rectangular
MOX-SB00720-RXX	3/4 / 19	0.020 / 0.50	I / Rectangular
MOX-SB01020-RXX	1 / 25	0.020 / 0.50	I / Rectangular
MOX-SB01520-RXX	1 1/2 / 38	0.020 / 0.50	I / Rectangular
MOX-SB00530-RXX	1/2 / 13	0.030 / 0.76	I / Rectangular
MOX-SB00730-RXX	3/4 / 19	0.030 / 0.76	I / Rectangular
MOX-SB01030-RXX	1 / 25	0.030 / 0.76	I / Rectangular
MOX-SB01530-RXX	1 1/2 / 38	0.030 / 0.76	I / Rectangular
MOX-SB00540-RXX	1/2 / 13	0.040 / 1.00	I / Rectangular
MOX-SB00740-RXX	3/4 / 19	0.040 / 1.00	I / Rectangular
MOX-SB01040-RXX	1 / 25	0.040 / 1.00	I / Rectangular
MOX-SB01540-RXX	1 1/2 / 38	0.040 / 1.00	I / Rectangular

Please enquire for pricing on sizes other than those listed above.

This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

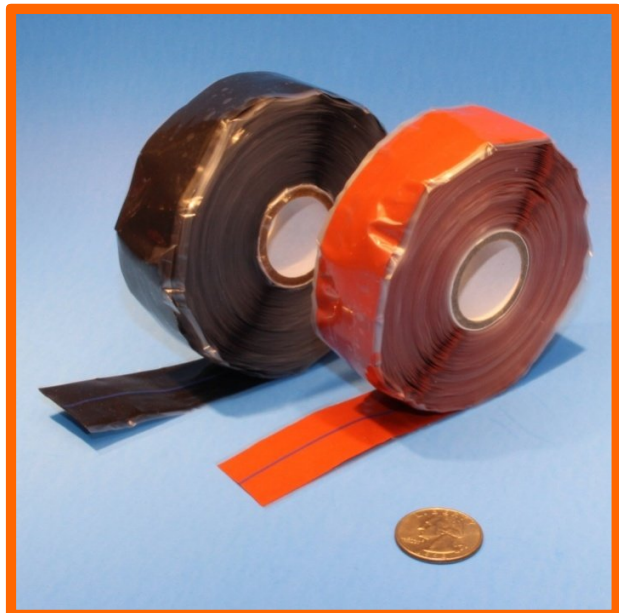
Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

Nimikkeistokeskus NCB Finland 10134254 Series MIL Spec Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-46852 / A-A-59163 Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 specifications. Certification available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Nimikkeistokeskus NCB Finland 10134254 Equivalent Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape - Meets MIL-I-46852 and A-A-59163 Specifications			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
10134254 Mil-I-46852 / AA59163 Tape: Type II			
T-SR-NCBFIN-10134254-XX	1 / 25	0.040 / 1.0	II / Triangular

Please enquire for pricing on sizes other than those listed above.

This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

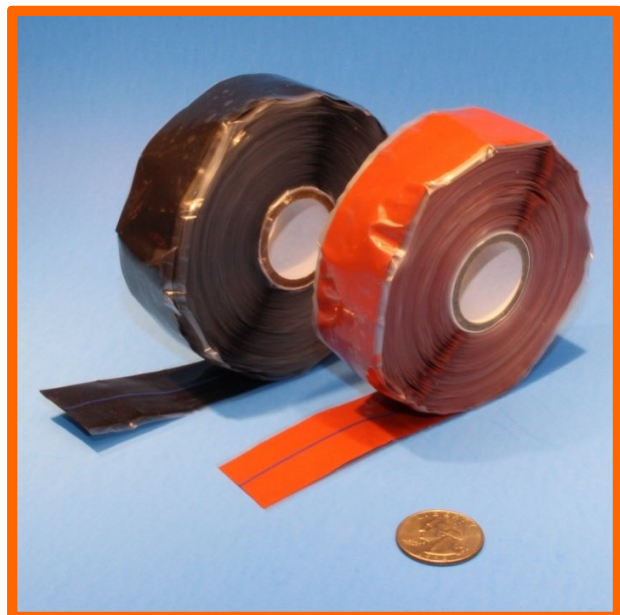
Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing splices and joints with an almost totally smooth surface (prevents snagging when splice pulled through obstructions).

Markel 4529670544 NSN 5970-00-955-9976 Equivalent MIL Spec Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-46852 / A-A-59163 & Other Proprietary Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 specifications. Certification available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black. CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Markel 4529670544 NSN 5970-00-955-9976 Equivalent Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape - Meets MIL-I-46852 and A-A-59163 Specifications			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
Markel 4529670544 Equivalent Mil-I-46852 / AA59163 Tape: Type II			
T-SR-Markel-4529670544-XX	1 / 25	0.040 / 1.00	II / Triangular

Please enquire for pricing on sizes other than those listed above.

This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing splices and joints with an almost totally smooth surface (prevents snagging when splice pulled through obstructions).

66N / 67N / 69N / 78N / 79N Equivalent Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C
FlameShield™ Meets MIL-I-46852 / A-A-59163 / MIL-I-22444 & Many Other OEM Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold temperature performance. Makes an excellent compression tape.
 - Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
 - Unsupported tape meets Mil-I-46852, AA59163 and many other specifications. Supported tape meets MIL-I-22444 and many other specifications.
 - CofC available.
 - Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).
- T-SR-66N-5970-14-467-8824 meets NATO/NSN 5970-14-467-8824 and ABS 5334 specification. Oxide-Red / Red-Brown Color. T-SR-67N-5970-14-474-7041 meets NATO/NSN 5970-14-474-7041 and ABS 5334 specification. Black Color. T-SR-SB15-68N-5970-14-464-7312 meets NATO/NSN 5970-14-464-7312 and ASNA 5107 specification. Oxide-Red / Red-Brown Color.

FlameShield™ 66N / 67N / 68N / 69N / 78N / 79N Silicone Rubber Self Fusing Electrical Insulation Tape		
Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
Unsupported Tape – No Fiberglass Substrate – 300% to 500% Elongation		
T-SR-66N-5970-14-467-8824-OR	0.75 / 19	0.012 / 0.30
T-SR-67N-5970-14-474-7041-BK	0.75 / 19	0.020 / 0.51
Supported Tape – With Fiberglass Substrate – 15% Maximum Elongation		
T-SR-SB15-69N-BK	0.75 / 19	0.020 / 0.51
T-SR-SB15-78N-OR	1.00 / 25	0.020 / 0.51
T-SR-SB15-79N-BK	1.00 / 25	0.020 / 0.51

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

RL6000SA / RL6000SB Stretchtape™ Equivalent Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-22444 & Many OEM Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold temperature performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- CofC available.
- Rolls are 12 or 20 yards long.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

RL6000SA / RL6000SB Stretchtape™ Equivalent Silicone Rubber Self Fusing Electrical Insulating Tape

Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
Supported Tape – With Fiberglass Substrate – 15% (SB) or 25% (SA) Maximum Elongation		
T-SR-RL6000SA-12Y-08-XX (12 yard roll)	0.50 / 13	0.020 / 0.51
T-SR-RL6000SB-12Y-08-XX (12 yard roll)	0.50 / 13	0.020 / 0.51
T-SR-RL6000SA-12Y-12-XX (12 yard roll)	0.75 / 19	0.020 / 0.51
T-SR-RL6000SB-12Y-12-XX (12 yard roll)	0.75 / 19	0.020 / 0.51
T-SR-RL6000SA-12Y-16-XX (12 yard roll)	1.00 / 25	0.020 / 0.51
T-SR-RL6000SB-12Y-16-XX (12 yard roll)	1.00 / 25	0.020 / 0.51
T-SR-RL6000SA-20Y-16-XX (20 yard roll)	1.00 / 25	0.020 / 0.51
T-SR-RL6000SB-20Y-16-XX (20 yard roll)	1.00 / 25	0.020 / 0.51

- For the XX value (color code): OR = Oxide-Red, BK = Black
- 12Y/20Y in part number: 12Y = 12 yard roll length. 20Y = 20 yard roll length

T-SR-RL6000SA-XX equivalent to NSN 5970-01-325-8971. T-SR-RL6000SB-XX equivalent to NSN 5970-00-841-1172

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Stretchtape™ is a trademark of Kirkhill-TA / Esterline

ASNA 5107-2501, 5107-2502, 5107-2503 Airbus Standard Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-22444C Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold temperature performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- CofC available.
- Rolls are 12 yards for 0.50" and 0.75" wide tapes and 12 or 20 yards long for the 1.00" wide tape.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

ASNA 5107 Airbus Standard Equivalent Silicone Rubber Self Fusing Electrical Insulating Tape

Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
Supported Tape – With Fiberglass Substrate – 25% Maximum Elongation		
T-SR- ASNA5107-2501-12Y-08-XX (12 yard roll)	0.50 / 13	0.020 / 0.51
T-SR- ASNA5107-2502-12Y-12-XX (12 yard roll)	0.75 / 19	0.020 / 0.51
T-SR- ASNA5107-2503-12Y-16-XX (12 yard roll)	1.00 / 25	0.020 / 0.51
T-SR- ASNA5107-2503-20Y-16-XX (20 yard roll)	1.00 / 25	0.020 / 0.51

- For the XX value (color code): OR = Oxide-Red, BK = Black
- 12Y/20Y in part number: 12Y = 12 yard roll length. 20Y = 20 yard roll length

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

ABS 5334A01B & ABS 5334A02R Airbus Standard Silicone Rubber Self Fusing / Self Amalgamating Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C
Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold temperature performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- Unsupported tape meets Mil-I-46852, A-A-59163 specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ ABS 5334A01B & ABS 5334A02R Airbus Standard Silicone Rubber Self Fusing Electrical Insulation Tape

Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
T-SR-ABS5334A02R-66N-ROR	0.75 / 19	0.012 / 0.30
T-SR-ABS5334A01B-67N-RBK	0.75 / 19	0.020 / 0.51

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

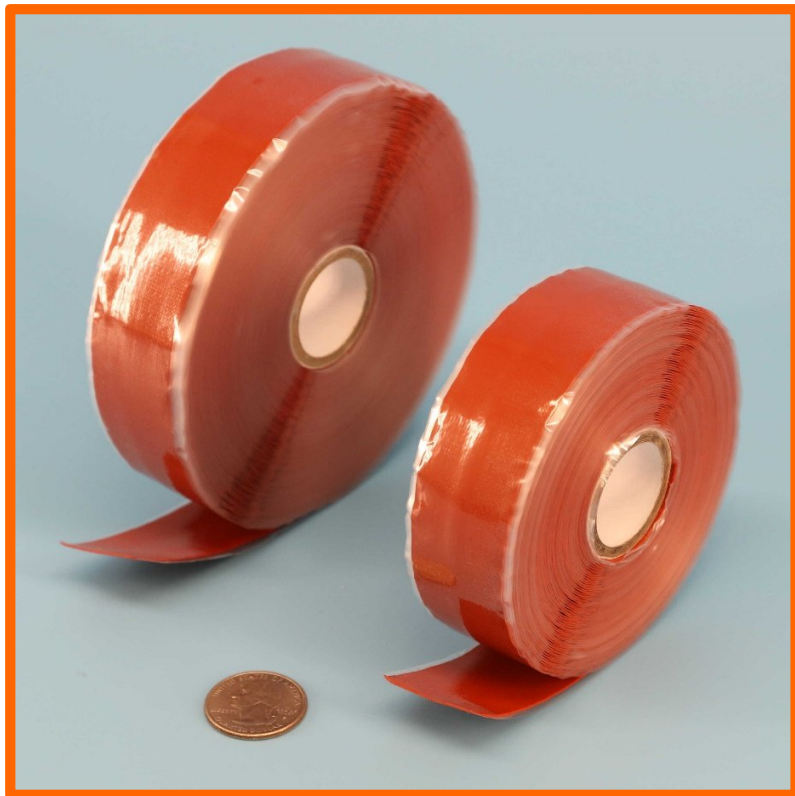
Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

Polamco 100P323 Equivalent Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-22444 & Many OEM Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold temperature performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- CofC available.
- Rolls are 12 or 20 yards long.
- This tape meets: DMS 2186, Type 1 & MIL-I-22444 specifications
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Polamco 100P323 Equivalent Silicone Rubber Self Fusing Electrical Insulating Tape	
Supported Tape – With Fiberglass Substrate	
Part Number	Roll Length
T-SR-100P323-20Y-16-OR	20 yards
T-SR-100P323-12Y-16-OR	12 yards

- Color is Oxide-red
- 1" / 25 mm wide
- 0.020" / 0.51mm thick

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

All trademarks and tradenames are property of their respective owners

Eaton Weatherhead® A6900W equivalent Silicone Elastomer Tape

Meets MIL-I-46852 / A-A-59163 Specifications

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold temperature performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve; prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- Meets Mil-I-46852 and A-A-59163 specifications.
- CofA Available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Eaton Weatherhead® A6900W Equivalent Silicone Rubber Self Fusing Insulating Tape
Part Number
T-SR-A6900W-OR
T-SR-A6900W-BK

- OR = Oxide-Red, BK = Black
- Tapes are 12 yards / 36 feet / 432 inches long
- Tapes are 1" / 25mm wide

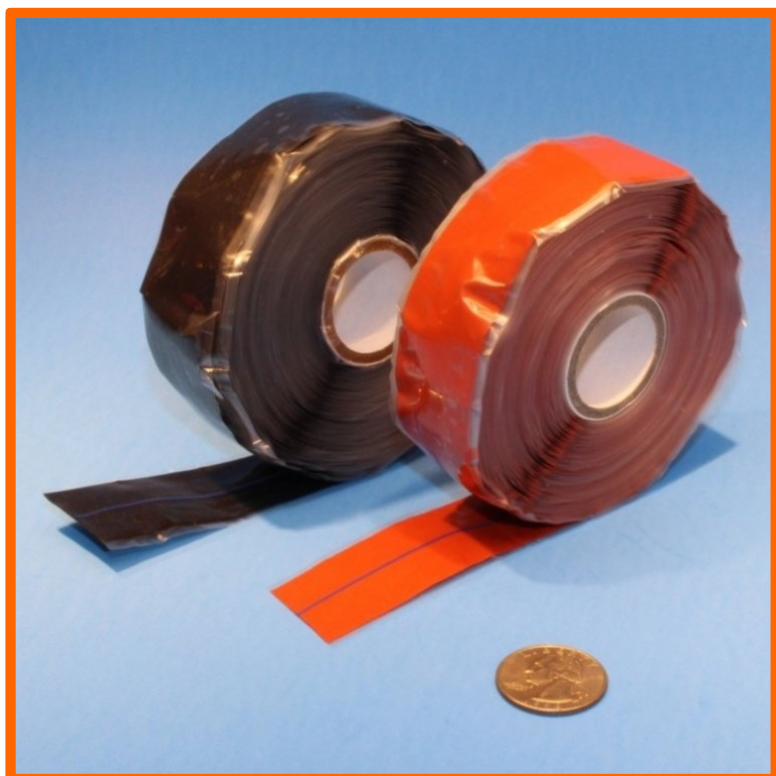
Weatherhead® is a registered trademark of Eaton Hydraulics

Seal-Tite™ P29950 / P28566 / P40630 / P36728 Fusion Wrap equivalent Silicone Elastomer Tape

Meets MIL-I-46852 / A-A-59163 Specifications

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold temperature performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- Meets Mil-I-46852 and A-A-59163 specifications. CoFC Available.
- Standard length is 36 feet. Longer roll lengths available. Tapes are .020" thick
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Seal-Tite™ P29950 / P28566 / P40630 / P36728 Fusion Wrap Equivalent Silicone Rubber Self Fusing Electrical Insulating Tape		
Part Number	Tape Width Inches / mm	Tape Length, inches / yards
T-SR-P29950-FL-GY	1 / 25	648 / 18
T-SR-P28566-FL-BK	1 / 25	648 / 18
T-SR-P40630-FL-CL	1 / 25	648 / 18
T-SR-P36728-FL-OR	1 / 25	648 / 18
T-SR-P29950-SL-GY	1 / 25	432 / 12
T-SR-P28566-SL-BK	1 / 25	432 / 12
T-SR-P40630-SL-CL	1 / 25	432 / 12
T-SR-P36728-SL-OR	1 / 25	432 / 12

- GY = Gray, OR = Oxide-Red, BK = Black, CL = Clear

Seal-Tite™ is a trademark of LAWSON Products

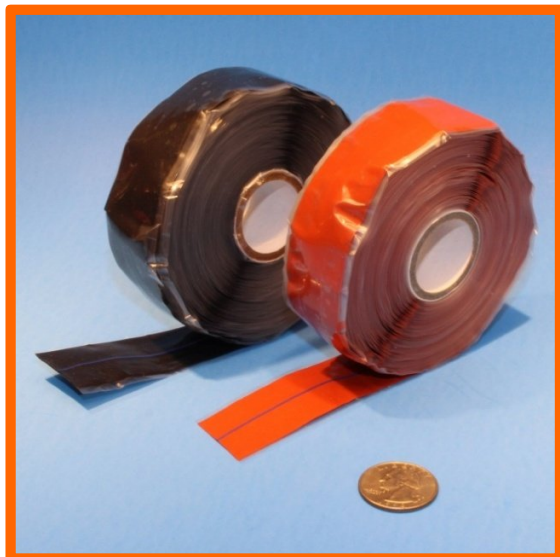
ARMET® GUIDELINE® Simrit® – Freudenberg-NOK Equivalent Silicone Tape – Type I & Type II

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

MIL Spec Silicone Rubber Self Fusing Electrical Insulating Tape

Meets MIL-I-46852 / A-A-59163 & Many Other Proprietary Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and A-A-59163 specifications. CofC available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black. For the "Z" Value: Substitute "CT" for Certified Tape or "NC" for Not Certified. Add \$6.00 for individual roll CofC. Lot/Batch CofC \$10.00 per order line item.

ARMET® GUIDELINE® Simrit® Equivalent Silicone Tapes			
Meets MIL-I-46852 / A-A-59163 Specifications Type I & Type II			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
Mil-I-46852 / AA59163 Tapes: Type I			
T-SR-ARMET-SIMRIT-50039-RXX	1/2 / 13	0.030 / 0.76	I / Rectangular
T-SR-ARMET-SIMRIT-57063-RXX	3/4 / 19	0.015 / 0.38	I / Rectangular
T-SR-ARMET-SIMRIT-56756-RXX	1 / 25	0.012 / 0.30	I / Rectangular
T-SR-ARMET-SIMRIT-57090-RXX	1 / 25	0.015 / 0.38	I / Rectangular
T-SR-ARMET-SIMRIT-57161-RXX	1 / 25	0.020 / 0.51	I / Rectangular
T-SR-ARMET-SIMRIT-57806-RXX	1 / 25	0.030 / 0.76	I / Rectangular
T-SR-ARMET-SIMRIT-50022-RXX	1 1/4 / 32	0.020 / 0.51	I / Rectangular
T-SR-ARMET-SIMRIT-50005-RXX	1 1/2 / 38	0.020 / 0.51	I / Rectangular
T-SR-ARMET-SIMRIT-50006-RXX	2 / 51	0.020 / 0.51	I / Rectangular
Mil-I-46852 / AA59163 Tapes: Type II			
T-SR-ARMET-SIMRIT-50014-TXX	1 / 25	0.020 / 0.51	II / Triangular
T-SR-ARMET-SIMRIT-50215-TXX	1 / 25	0.030 / 0.76	II / Triangular
T-SR-ARMET-SIMRIT-50361-TXX	1 / 25	0.040 / 1.01	II / Triangular
T-SR-ARMET-SIMRIT-53304-TXX	1 1/4 / 32	0.040 / 1.01	II / Triangular
T-SR-ARMET-SIMRIT-50573-TXX	1 1/4 / 32	0.050 / 1.27	II / Triangular
T-SR-ARMET-SIMRIT-56517-TXX	1 1/2 / 38	0.050 / 1.27	II / Triangular
T-SR-ARMET-SIMRIT-56265-TXX	1 1/2 / 38	0.060 / 1.52	II / Triangular

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Simrit® is a registered trademark of Freudenberg NOK

Simrit® – Freudenberg-NOK Equivalent Silicone Rubber Tape – Reinforced & Controlled Elongation

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

MIL Spec Silicone Rubber Self Fusing Electrical Insulating Tape

Meets MIL-I-22444, MIL-I-46852 / A-A-59163 Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and A-A-59163 specifications. CofC available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black. For the "Z" Value: Substitute "CT" for Certified Tape or "NC" for Not Certified. Add \$6.00 for individual roll CofC. Lot/Batch CofC \$10.00 per order line item.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Simrit® Equivalent Silicone Tapes – Reinforced Controlled Elongation Tape Meets MIL-I-22444, MIL-I-46852 / A-A-59163 Specifications: Type I Supported			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
Mil-I-22444 Reinforced Controlled Elongation Tape			
T-SR-SIMRIT-22444-58609-RXX	1 / 25	0.015 / 0.38	I / Rectangular
T-SR-SIMRIT-22444-58607-RXX	1 / 25	0.015 / 0.38	I / Rectangular
T-SR-SIMRIT-22444-58613-RXX	1/2 / 13	0.020 / 0.51	I / Rectangular
T-SR-SIMRIT-22444-58611-RXX	1/2 / 13	0.020 / 0.51	I / Rectangular
T-SR-SIMRIT-22444-58615-RXX	1 / 25	0.020 / 0.51	I / Rectangular
T-SR-SIMRIT-22444-58617-RXX	1 / 25	0.020 / 0.51	I / Rectangular
T-SR-SIMRIT-22444-58621-RXX	1 / 25	0.050 / 1.27	I / Rectangular
T-SR-SIMRIT-22444-58619-RXX	1 / 25	0.050 / 1.27	I / Rectangular

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Simrit® is a registered trademark of Freudenberg NOK

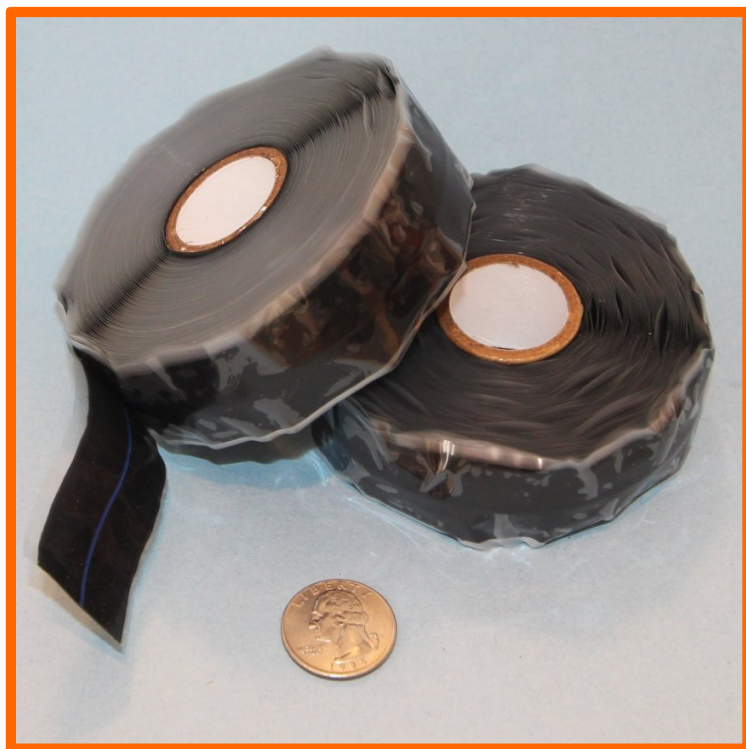
FNOK 52152 Ace 90052152

NSN 5970-01-450-4130 Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-22444 and other proprietary specifications.
- CofC available.
- Mfg Cage code L8347
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ High Temperature Silicone Rubber Self Fusing Compression/Stretch Electrical Insulating Tape Meets FNOK 52152 / Ace 90052152 Specifications		
Part Number	Tape Width	Tape Thickness inches / mm
Specification NSN 5970-01-450-4130		
90052152	3/4"	.050"

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

L-3 Communications Tape, Electrical, Silicone Self-Fusing, Standard & Limited Stretch Versions (Supported and Non-Supported)

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meeting A-A-59163 Class 1, Type I Specifications & MIL-I-22444

Also meets MIL-I-46852 Specifications

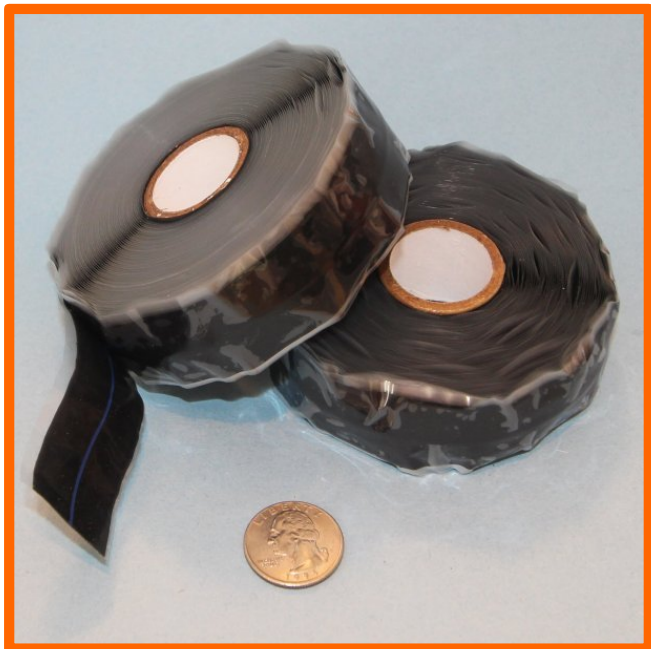
Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets A-A-59163, MIL-I-46852 and MIL-I-22444 specifications.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. Standard color is Black.
- CofC available.
- Cage Code L8347.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

L-3 Communications Tape, Electrical, Silicone Self-Fusing, Standard non-supported			
Meets MIL-I-46852 & A-A-59163 Specifications: Class 1, Type I			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
T-SR-40014362-000	1/2 / 13	0.020 / 0.5	I / Rectangular
T-SR-40014362-001	3/4 / 19	0.020 / 0.5	I / Rectangular
T-SR-40014362-002	1 / 25	0.020 / 0.5	I / Rectangular
T-SR-40014362-003	1.25 / 32	0.020 / 0.5	I / Rectangular
L-3 Communications Tape, Electrical, Silicone Self-Fusing, Limited Stretch supported			
Meets MIL-I-22444 Specifications			
T-SR-7186328-000	1/2 / 13	0.020 / 0.5	I / Rectangular
T-SR-7186328-001	1 / 25	0.050 / 1.27	I / Rectangular

MS70T09-S - NSN 5970-00-955-9976 Silicone Rubber Tape
 Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C
FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape
Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Meets MS70T09-S specifications.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Used as a backshell clamp bushing tape.
- Meets Mil-I-46852 / A-A-59163 specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

MS70T09-S / NSN 5970-00-955-9976 Silicone Rubber Self Fusing Compression/Stretch Electrical Insulating Tape		
Part Number	Tape Width Inches / mm	Tape Thickness
T-SR-MS70T09S-NSN-00-955-9976	As per specification	As per specification

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- This tape is Black per the specification.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Vulko-Wrap™ Insulating Wrap Equivalent
Maximum operating temperature 400°F / 204°C
Self-vulcanizing Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape
Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, A-A-59163, MIL-I-22444 and other proprietary specifications.
- Dielectric strength is 300 volts per mil for the 0.040" thick tape and 275 volts per mil for the 0.050" thick tape.
- This equivalent tape meets the same standards and specification as the OEM Vulko-Wrap™.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Vulko-Wrap™ Equivalent Insulating Wrap Tape meeting MIL-I-46852 & A-A-59163 specifications		
Part Number	Tape Width Inches / mm	Tape Thickness Inches / mm
T-SR-98412 / T-SR-98412D (Yellow)	1" / 25.4mm	40 mils (0.040")
T-SR-98412BK / T-SR-98412BKD (Black)	1" / 25.4mm	40 mils (0.040")
T-SR-98412OR / T-SR-98412ORD (Red)	1" / 25.4mm	40 mils (0.040")
T-SR-98512 / T-SR-98512D (Yellow)	1.5" / 51mm	50 mils (0.050")
T-SR-98512BK / T-SR-98512BKD (Black)	1.5" / 51mm	50 mils (0.050")
T-SR-98512OR / T-SR-98512ORD (Red)	1.5" / 51mm	50 mils (0.050")
Vulko-Wrap™ Equivalent Insulating Wrap Tape meeting MIL-I-22444 specifications		
T-SR-18412 (Black)	1" / 25.4mm	40 mils (0.040")
T-SR-18412OR (Oxide-red)	1" / 25.4mm	40 mils (0.040")

- The part number with the letter "D" at the end indicates a 5 roll pack
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- Other colors of this tape are available

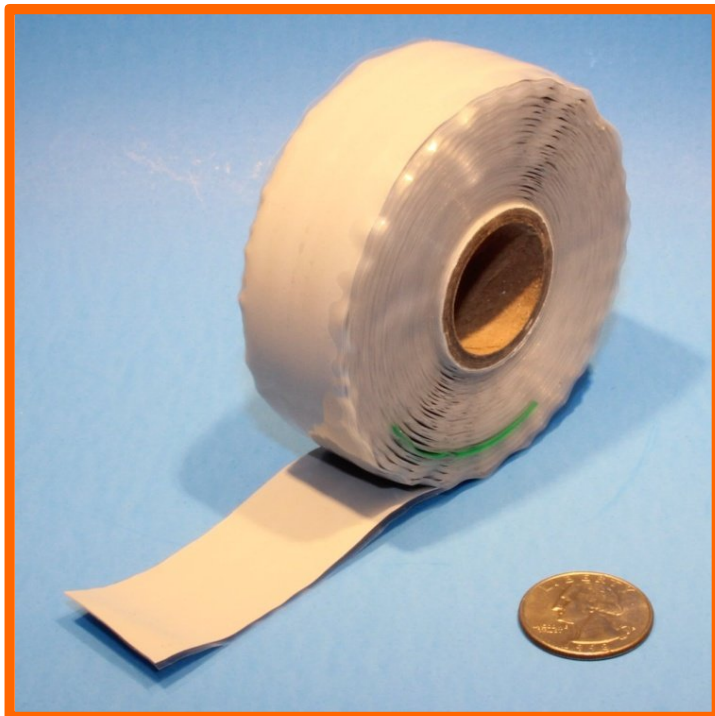
All tradenames and trademarks are property of their respective owners

3M™ Scotch® 70 & 70HDT Equivalent Silicone Rubber Electrical Tape

Maximum operating temperature 356°F / 180°C

FlameShield™ Meets A-A-59163 Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets A-A-59163 specifications. CofC available.
- Arc and Track Resistant.
- RoHS compliant.
- Roll length is 30 feet.
- Available as NSN 5970-01-592-3238 & 5970-01-276-5277
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ High Temperature Silicone Self Fusing Compression/Stretch Tape Equivalent to 3M™ Scotch® 70 & 70HDT Meets A-A-59163 Specifications				
Part Number	Tape Width Inches / mm	Thickness inches / mm	Profile	Color
T-SR-3M70	1 / 25	0.012 / 0.30	Rectangular	Blue-Grey
T-SR-3M70HDT	1 / 25	0.020 / 0.51	Triangular	Blue-Grey

Quantity discounts available – 24 rolls per case

Please enquire for pricing on sizes other than those listed above.

This tape can be made in thicknesses from 0.010” to 0.080” and in various widths.

- Add \$6.00 for individual roll CofC. Lot/Batch CofC \$10.00 per order line item

3M70: 3M ID 80611438617 UPC# 00051128572610

3M70HDT: 3M ID 80611438625 UPC# 00051128572627

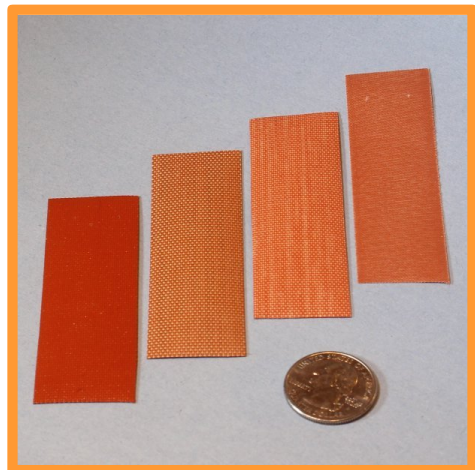
Triangular tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing splices and joints with an almost totally smooth surface (prevents snagging when splice pulled through obstructions).

Scotch® is a registered trademark of the 3M company

GE and EMD Coil Winding Encapsulating Tape – Semi Cured & Uncured Bonding Layers

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

**FlameShield™ Silicone Rubber Meets GE and EMD specifications for traction motors:
Many others available**



- Available with several construction options:
 - 1) A fiberglass substrate with cured silicone rubber on both sides (one side has a thinner coating layer), with an additional uncured layer on top of the cured layer on one side. Has an interleave.
 - 2) A fiberglass substrate with semi-cured silicone rubber on one side. No interleave.
- Curing: most require a cure cycle of 350F at 50psi for 15 minutes. Post Cure Cycle: 2 to 3 hours at 375-410F. See specific tape data for its curing instructions.
- CofC available.
- Product is produced as a 36" wide log, from which the tape widths are slit. Typical tape widths are 0.75, 1.00, 1.25 and 1.5". Any other width is available. Complete logs available.
- Photo shows a few of the different versions of available tape, with different substrates weave sizes visible through the thin side coating.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ Coil Winding Encapsulating Tape		
Part Number	OEM Part Number	Tape Thickness Inches / mm
T-SRUC-84	GE 84A210606P154 GE 84A210606P157	0.020 / 0.51
T-SRUC-41	GE 41A239176P70 GE 41A239176P71	0.015 / 0.38
T-SRUC-82	EMD 8205562 EMD 8227441 EMD R718024	0.015 / 0.38
T-SRUC-71	EMD R718051 / EMD R718077 EMD 8220410 / EMD 40100391 EMD 8257527	0.020 / 0.51
T-SRUC-21	GE 21261	0.020 / 0.51
T-SRUC-158	GE 84A210606P158	0.011 / 0.28

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- All versions are Oxide-Red

These tapes are also used to form various flexible structures such as ducting. They can be wrapped over forms and then cured.

PipeSeal™ Silicone Rubber Self Fusing Compression & Stretch Leak Sealing Tape

Self-Binding Self-Fusing Tape

Superior method of making drain pipe repairs and septic tank inlet pipe leak repair



- Makes a watertight seal that prevents leaks on drain pipe defects.
- Wide temperature range from -50°F to +500°F
- Makes Septic Tank Pipe Leak repair quick and easy.
- One roll will wrap ten 4" pipe connections.
- Saves time and money by preventing the need to disassemble pipe assembly.
- Widely used on Septic Tank Inlet Pipe joints and elbows. Many older septic installations did not originally glue the pipes, allowing seepage of the septic liquid into the ground and in contact with basement walls and floor slabs – resulting in a sewer gas smell in the home.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).



LeakSeal™ Drain Pipe Leak Repair Tape		
Part Number	Tape Width Inches / mm	Tape Thickness
T-SR-LeakSeal	1 ½" / 39	.020

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- This tape is available Black or Oxide-Red.

Sealing Tape for Stovepipe and Stainless Steel Flue Gas Duct DuctSeal™ Silicone Rubber Self Fusing Leak Sealing Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C
Self-Binding Self-Fusing Tape

Helps to reduce combustion smells by sealing the seams of round duct work on wood stoves, pellet stoves, propane and natural gas stoves and bio-fuel stoves



- Seals the seams on combustion stove pipe, reduces the smell due to leakage of exhaust flue gas.
- Easy to apply and remove.
- No sticky glue to create a mess and gum up parts.
- Available in Oxide-red or Black.
- Can be applied to hot or cold pipe.
- Popular for use on Simpson M&G DuraVent® and PelletVent® pipe.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).



DuctSeal™ Stove Pipe Seam Sealing Tape		
Part Number	Tape Width Inches / mm	Tape Thickness
T-SR-DuctSeal	1" / 25	.020

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- This tape is available Black or Oxide-Red.

SilSeal™ Silicone Rubber Closed Cell Sponge Tape

-100°F to 500°F operating range

Self Adhesive Gasket, Cushion, Vibration Dampener and Thermal Insulator – Food Contact

Standard widths or custom widths. 1/16”/1.59mm to 3/16”/4.76mm thickness



- High temperature performance with silicone adhesive PSA: -100°F to +500°F. Includes release backing paper. For maximum shelf life store at 40°F to 50°F.
- -20°F to 325°F temperature range for acrylic adhesive PSA.
- Used as Gaskets, Cushions, Vibration Dampener, Thermal Insulation.
- Thermal Insulation for hot or cold process pipes in food processing.
- Meets FDA 21 CFR 177.2600 requirements.
- Can be spiral wrapped along hot or cold pipes, hoses or tubing for insulation value or personnel contact protection.
- Can be longitudinally wrapped along pipes, hoses or tubing, with overlap. Additional securing with plastic or metal ties.
- Clean surfaces with isopropyl alcohol prior to application for best adhesion.
- Roll length 10 yards except 3/16” thickness which is 5 yards.
- Adhesion to steel: Silicone = 15 oz/in. Acrylic = 30 oz/in. Tensile strength = 65 PSI. Elongation = 150%

SilSeal™ High Temperature, Heat & Chemical Resistant Silicone Rubber Closed Cell Sponge Tape with Silicone or Acrylic PSA Adhesive		
Part Number	Width in / mm	
	T-SRS-PSA-FDA-0.500-M013-X-Y	.5
T-SRS-PSA-FDA-0.750-M019-X-Y	.75	19
T-SRS-PSA-FDA-1.000-M025-X-Y	1.0	25
T-SRS-PSA-FDA-1.250-M032-X-Y	1.25	32
T-SRS-PSA-FDA-1.500-M038-X-Y	1.5	38
T-SRS-PSA-FDA-2.000-M051-X-Y	2.0	51
T-SRS-PSA-FDA-2.500-M064-X-Y	2.5	64
T-SRS-PSA-FDA-3.000-M076-X-Y	3.0	76

- Any custom width is available.
- For the X value (thickness): replace with A, B, C or D.
- **A = 1/16” / .0625” 1.59mm, B = 3/32 / .0937” 2.38mm, C = 1/8” / .125” 3.18mm, D = 3/16” / .1875” 4.76mm.**
- For the Y value (adhesive type): replace with S for Silicone or A for Acrylic.

CFR Title 21 Section 177.2600 covers the use of rubber articles with aqueous foods and fatty foods. SilSeal tapes have been tested with Distilled Water and N-Hexane and the measured extractable content is below allowable limits for both silicone and acrylic adhesive versions of these tapes.

SilSeal™ Silicone Rubber Solid Tape with PSA

-100°F to 500°F range

Self Adhesive Gasket, Cushion, Vibration Dampener

Standard widths or custom widths. 1/32" / 0.79mm thickness



- High temperature performance with silicone adhesive PSA: -100°F to +500°F.
- -20°F to 325°F temperature range for acrylic adhesive PSA.
- Used as Gaskets, Cushions, Vibration Dampener.
- Protects wires, cables, hoses and tubing from weld spatter, molten metal, solder blobs, grinding sparks.
- 30 durometer. Grey in color.
- Clean surfaces with isopropyl alcohol prior to application for best adhesion.
- Tape thickness is 1/32" / 0.031" / 0.79mm.
- 20 yards / 18.2 metres roll length
- Adhesion to steel: Silicone = 15 oz/in. Acrylic = 30 oz/in.
- Tensile strength = 700 PSI.
- Elongation = 650%
- For maximum shelf life store at 40°F to 50°F

SilSeal™ High Temperature, Heat & Chemical Resistant Silicone Rubber Solid Tape with Silicone or Acrylic PSA Adhesive

Part Number	Width in / mm	
	T-SR30D-PSA-0.500-M013-Y	.5
T-SR30D-PSA-0.750-M019-Y	.75	19
T-SR30D-PSA-1.000-M025-Y	1.0	25
T-SR30D-PSA-1.250-M032-Y	1.25	32
T-SR30D-PSA-1.500-M038-Y	1.5	38
T-SR30D-PSA-2.000-M051-Y	2.0	51
T-SR30D-PSA-2.500-M064-Y	2.5	64
T-SR30D-PSA-3.000-M076-Y	3.0	76

- For the Y value (adhesive type): replace with S for Silicone or A for Acrylic

Fiberglass Gasket Seal Tape with soft PTFE Coating: Premium Grade 550°F / 287°C: Tuff-Flex™ High Temperature, Heat & Chemical Resistance



- An excellent gasket tape providing sealing against a variety of gases and liquids: Excellent chemical resistance.
- Available in three thicknesses.
- PTFE Sintered Coating.

This tape offers the advantage of a non-asbestos material with higher temperature range and with excellent resistance to almost all solvents, caustics and acids. The base fabric is rated to 1000°F / 537°C. PTFE melting point is 620°F / 327°C.

Offered in Plain and Drop Warp (also known as Bolt-Hole or Ladder Tape).

The PTFE is applied to the tape by proprietary sinterization process. The result is a PTFE coating on the tape which is soft, robust and flexible; however, it can be abrasively removed from the tape with aggressive fingernail scraping, resulting in a thinner and thinner layer of PTFE remaining with each pass. The PTFE also causes the yarns to be sealed and the small gaps between the yarns filled, resulting in an almost air-tight / liquid-tight tape.

Fiberglass Gasket Seal Tape with soft PTFE Coating: Premium Grade
550°F / 287°C: Tuff-Flex™ High Temperature, Heat & Chemical Resistance



550°F / 287°C continuous rating

Premium Fiberglass Gasket Tape with PTFE Coating		
Part Number	Width in / mm	
	T-FG-WOVEN-PTFE-P-M013-08-X-Z**	.5
T-FG-WOVEN-PTFE-P-M019-12-X-Z**	.75	19
T-FG-WOVEN-PTFE-P-M025-16-X-Z	1.0	25
T-FG-WOVEN-PTFE-P-M032-20-X-Z	1.25	32
T-FG-WOVEN-PTFE-P-M038-24-X-Z	1.5	38
T-FG-WOVEN-PTFE-P-M051-32-X-Z	2.0	51
T-FG-WOVEN-PTFE-P-M064-40-X-Z	2.5	64
T-FG-WOVEN-PTFE-P-M076-48-X-Z	3.0	76
T-FG-WOVEN-PTFE-P-M089-56-X-Z	3.5	89
T-FG-WOVEN-PTFE-P-M102-64-X-Z	4.0	102
T-FG-WOVEN-PTFE-P-M127-80-X-Z	5.0	127
T-FG-WOVEN-PTFE-P-M152-96-X-Z	6.0	152

- For the "X" value, specify "A", "B" or "C" in the part number to correspond to the desired thickness: A = 1/16" / .0625" / 1.59mm B = 1/8" / .125" / 3.18mm C = 1/4" / .250" / 6.35mm
- For the "Z" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape
- All tapes are 100 foot lengths.
- ** .5" / 13mm and .75" / 19mm width tapes are not available in Drop Warp

Fiberglass Gasket Seal Tape with PTFE Coating: Industrial Grade 550°F / 287°C: Tuff-Flex™ High Temperature, Heat & Chemical Resistance



- An excellent gasket tape providing sealing against a variety of gases and liquids: Excellent chemical resistance.
- Available in two thicknesses.
- PTFE Sintered Coating

This tape offers the advantage of a non-asbestos material with higher temperature range and with excellent resistance to almost all solvents, caustics and acids. The base fabric is rated to 1000°F / 537°C. PTFE melting point is 620°F / 327°C.

Offered in Plain and Drop Warp (*also known as Bolt-Hole or Ladder Tape*).

550°F / 287°C continuous rating

High Temperature, Heat & Chemical Resistance Fiberglass Gasket Tape with PTFE Coating: Industrial Tape		
Part Number	Width in / mm	
T-FG-WOVEN-PTFE-I-M013-08-X-Z**	.5	13
T-FG-WOVEN-PTFE-I-M019-12-X-Z**	.75	19
T-FG-WOVEN-PTFE-I-M025-16-X-Z	1.0	25
T-FG-WOVEN-PTFE-I-M032-20-X-Z	1.25	32
T-FG-WOVEN-PTFE-I-M038-24-X-Z	1.5	38
T-FG-WOVEN-PTFE-I-M051-32-X-Z	2.0	51
T-FG-WOVEN-PTFE-I-M064-40-X-Z	2.5	64
T-FG-WOVEN-PTFE-I-M076-48-X-Z	3.0	76
T-FG-WOVEN-PTFE-I-M089-56-X-Z	3.5	89
T-FG-WOVEN-PTFE-I-M102-64-X-Z	4.0	102
T-FG-WOVEN-PTFE-I-M127-80-X-Z	5.0	127
T-FG-WOVEN-PTFE-I-M152-96-X-Z	6.0	152

- For the "X" value specify "A" or "B" in the part number to correspond to the desired thickness
A = 1/16" / .0625" / 1.59mm B = 1/8" / .125" / 3.18mm
- For the "Z" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape
- All tapes are 100 foot lengths.
- Items with * may have higher minimum order quantities – please call.
- ** .5" / 13mm and .75" / 19mm width tapes are not available in Drop Warp. *** 200 ft long
- # .5" / 13mm wide x 1/16" thick tape is 500 ft roll length

The PTFE is applied to the tape by proprietary sinterization process. The result is a PTFE coating on the tape which is soft, robust and flexible; however, it can be abrasively removed from the tape with aggressive fingernail scraping, resulting in a thinner and thinner layer of PTFE remaining with each pass. The PTFE also causes the yarns to be sealed and the small gaps between the yarns filled, resulting in an almost air-tight / liquid-tight tape.

Fiberglass Tape with PTFE Resin Impregnation & Self Adhesive
500°F / 260°C: Tuff-Flex™ High Temperature & Chemical Resistant with Smooth
Non-Stick Surface - Premium Grade & Industrial Grade



- This tape is made by slitting our PTFE resin impregnated fiberglass fabric. Available with and without backing media on the adhesive side. Available with Acrylic or Silicone adhesive.
- Provides excellent chemical resistance and superior electrical insulation. Used as a low friction release tape for heat sealing bars and other packaging applications.
- Used on various machinery parts to provide a smooth stick-free surface such as on production line runners and guides for easy product and parts conveyance.
- Used as an electrical tape for high insulation and high temperature performance.
- Premium Grade is an exceptionally smooth surface with a higher PTFE content than Industrial Grade.
- Temperature range: Silicone adhesive tape -100°F to +500°F (-73°C to +260°C). Acrylic adhesive tapes -40°F to +350°F (-40°C to +177°C).
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Fiberglass Tape with PTFE Resin Impregnation & Self Adhesive (Continued)
500°F / 260°C: Tuff-Flex™ High Temperature & Chemical Resistant with Smooth
Non-Stick Surface - Premium Grade & Industrial Grade



Tuff-Flex™ High Temperature, Heat & Chemical Resistant Fiberglass Tape with PTFE Resin Impregnation & Self Adhesive: Premium Grade		
Part Number	Width in / mm	
T-FG-PTRI-P-M013-08-X-Y-Z	.5	13
T-FG-PTRI-P-M019-12-X-Y-Z	.75	19
T-FG-PTRI-P-M025-16-X-Y-Z	1.0	25
T-FG-PTRI-P-M032-20-X-Y-Z	1.25	32
T-FG-PTRI-P-M038-24-X-Y-Z	1.5	38
T-FG-PTRI-P-M051-32-X-Y-Z	2.0	51
T-FG-PTRI-P-M064-40-X-Y-Z	2.5	64
T-FG-PTRI-P-M076-48-X-Y-Z	3.0	76

Custom slitting available up to a maximum of 36 inches.

- For the "X" value in the part number, use "3" for .003", "5" for .005", "6" for .006", "10" for .010", "14" for .014". Thickness does not include adhesive layer thickness.
- For the "Y" value specify "A" or "S" in the part number to correspond to the desired adhesive:
A = Acrylic S = Silicone
- For the "Z" value in part number: use "BP" to order with backing media or "NP" for no backing media
Silicone backing paper is yellow, acrylic backing paper is blue. Same price with or without backing.
- All standard tapes are 36 yards. 18 yard rolls are available
- Adhesive thickness of Acrylic is .002". Silicone adhesive is .0022" thick for .003 & .005 tape and .0030" thick for all others.
- Dielectric (kV). .003" S = 5 / A = 4.5; .005" S = 7.5 / A = 7; .006" S = 8.5 / A = 8.5; .010" S = 9.5 / A = 9.
(S = Silicone / A = Acrylic).
- Tensile Strength Warp/Fill (lbs/in); Silicone; .003" = 95/55; .005" = 140/130; .006" = 150/115; .010" = 325/235
Acrylic; .003" = 95/55; .005" = 125/130; .006" = 150/150; .010" = 325/235
- Tear Strength Warp/Fill (lbs/in); Silicone .003" = 1.5/0.9; .005" = 2.2/1.7; .006" = 2.1/1.8; .010" = 7.5/4.0
Acrylic; .003" = 1.5/0.9; .005" = 1.8 / 1.7; .006" = 2.1 / 1.7; .010" = 7.5 / 4.0

The PTFE resin is applied to the base fabric in a hot process and under pressure, causing a total impregnation of the base fabric. The surface of the resin is smooth and it takes considerable and aggressive force to scratch the PTFE surface to remove it from the fabric with fingernail scraping.

Fiberglass Tape with PTFE Resin Impregnation & Self Adhesive (Continued)
500°F / 260°C: Tuff-Flex™ High Temperature & Chemical Resistant with Smooth Non-Stick Surface - Industrial Grade



**Tuff-Flex™ High Temperature, Heat & Chemical Resistant
 Fiberglass Tape with PTFE Resin Impregnation
 & Self Adhesive: Industrial Grade**

Part Number	Width in / mm	
	T-FG-PTRI-I-M013-08-X-Y-Z	.5
T-FG-PTRI-I-M019-12-X-Y-Z	.75	19
T-FG-PTRI-I-M025-16-X-Y-Z	1.0	25
T-FG-PTRI-I-M032-20-X-Y-Z	1.25	32
T-FG-PTRI-I-M038-24-X-Y-Z	1.5	38
T-FG-PTRI-I-M051-32-X-Y-Z	2.0	51
T-FG-PTRI-I-M064-40-X-Y-Z	2.5	64
T-FG-PTRI-I-M076-48-X-Y-Z	3.0	76

Custom slitting available up to a maximum of 36 inches.

- For the "X" value in the part number, use "3" for .003, "5" for .005, "6" for .006, "10" for .010, "14" for .014
- For the "Y" value specify "A" or "S" in the part number to correspond to the desired adhesive
 A = Acrylic S = Silicone
- For the "Z" value in part number: use "BP" to order with backing media or "NP" for no backing media
 Silicone backing paper is yellow, acrylic backing paper is blue. Same price with or without backing.
- Dielectric (kV). .003" S = 5 / A = 4.5; .005" S = 7.5 / A = 7; .006" S = 8.5 / A = 8.5; .010" S = 9.5 / A = 9; .014" S = 10.5 / A = 9
 (S = Silicone / A = Acrylic).
- Tensile Strength Warp/Fill (lbs/in); Silicone .003" = 95/55; .005" = 140/130; .006" = 150/115; .010" = 325/235; .014" = 440/250
 Acrylic; .003" = 95/55; .005" = 125/130; .006" = 150/150; .010" = 325/235; .014" = 440/250
- Tear Strength Warp/Fill (lbs/in); Silicone .003" = 1.5/0.9; .005" = 2.2/1.7; .006" = 2.1/1.8; .010" = 7.5/4.0; .014" = 7.0/5.0
 Acrylic; .003" = 1.5/0.9; .005" = 1.8 / 1.7; .006" = 2.1 / 1.7; .010" = 7.5 / 4.0; .014" = 7.0/5.0
- All standard tapes are 36 yards. 18 yard rolls are available.
- Adhesive thickness of Acrylic is .002". Silicone adhesive is .0022" thick for .003 & .005 tape and .0030" thick for all others.

The PTFE resin is applied to the fabric in a hot process and under pressure, causing a total impregnation of the base fabric. The surface of the resin is smooth and it takes considerable and aggressive force to scratch the ptfе surface to remove it from the fabric with fingernail scraping.

Skived PTFE Tape with Self Adhesive 590°F / 310°C: Tuff-Flex™ High Temperature & Chemical Resistance with Ultra Smooth Non-Stick Surface



- High elongation provides excellent conformability around splices and connectors.
- Available with and without backing strip.
- Available with Acrylic or Silicone adhesive
- Providing excellent chemical resistance and superior electrical insulation. Used as a low friction release tape for heat sealing and other packaging applications.
- Used on various machinery parts to provide a smooth stick-free surface such as on production line runners, rollers and guides for easy product and parts conveyance.
- Used as an electrical tape for high insulation and high temperature performance. 2540v/mil dielectric breakdown (minimum).
- Used for splicing of PTFE coated wiring and for forming watertight seals around blasting cap and detonating cord, lap splicing of firing cable (mining & underwater demolition).

Tuff-Flex™ High Temperature, Heat & Chemical Resistance Skived PTFE Tape with Self Adhesive		
Part Number	Width in / mm	
T-PT-SK-M013-08-X-Y-Z	.5	13
T-PT-SK-M019-12-X-Y-Z	.75	19
T-PT-SK-M025-16-X-Y-Z	1.0	25
T-PT-SK-M032-20-X-Y-Z	1.25	32
T-PT-SK-M038-24-X-Y-Z	1.5	38
T-PT-SK-M051-32-X-Y-Z	2.0	51
T-PT-SK-M064-40-X-Y-Z	2.5	64
T-PT-SK-M076-48-X-Y-Z	3.0	76

Custom slitting to any width is available up to a maximum of 36 inches. Sold in full rolls only.

- **For the "X" value**, specify "3" for .003" thickness, "5" for .005" thickness, "10" for .010" thickness
- **For the "Y" value**, specify "A" or "S" in the part number to correspond to the desired adhesive
A = Acrylic S = Silicone
- **For the "Z" value**, use "BP" for with Backing Paper or "NP" for no backing paper
Silicone backing paper is yellow, acrylic backing paper is blue. Same price with or without backing.
- All standard tapes are 36 yards. 18 yard rolls are available.
- Adhesive thickness of Acrylic is .002". Silicone adhesive is .0022" thick.

Skived PTFE Tape with Self Adhesive - High Modulus 590°F / 310°C: Tuff-Flex™ High Temperature & Chemical Resistance with Ultra Smooth Non-Stick Surface



- Low elongation and high wear properties.
- Designed for heat sealing, wire wrapping and electrical insulation for electrical component manufacturing such as coils, capacitors and transformers.
- Available with and without backing strip.
- Silicone adhesive
- Providing excellent chemical resistance and superior electrical insulation. Used as a low friction release tape for heat sealing and other packaging applications.
- Used on various machinery parts to provide a smooth stick-free surface such as on production line runners, rollers and guides for easy product and parts conveyance.
- Used as an electrical tape for high insulation and high temperature performance. 2540v/mil dielectric breakdown (minimum).
- Used for splicing of PTFE coated wiring and for forming watertight seals around blasting cap and detonating cord, lap splicing of firing cable (mining & underwater demolition).
- Equivalent to Saint Gobain 2255-2 tape.

Tuff-Flex™ High Temperature, Heat & Chemical Resistance Skived PTFE Tape with Self Adhesive - High Modulus		
Part Number	Width	
	in / mm	
T-PT-SK-HM-M013-08-X-Y-Z	.5	13
T-PT-SK-HM-M019-12-X-Y-Z	.75	19
T-PT-SK-HM-M025-16-X-Y-Z	1.0	25
T-PT-SK-HM-M032-20-X-Y-Z	1.25	32
T-PT-SK-HM-M038-24-X-Y-Z	1.5	38
T-PT-SK-HM-M051-32-X-Y-Z	2.0	51
T-PT-SK-HM-M064-40-X-Y-Z	2.5	64
T-PT-SK-HM-M076-48-X-Y-Z	3.0	76

Custom slitting to any width is available up to a maximum of 36 inches. Sold in full rolls only.

- For the "X" value, specify "2" for .002" thickness, "3" for .003" thickness, "5" for .005" thickness
- For the "Y" value, specify **S** for silicone adhesive or **A** for acrylic adhesive
- For the "Z" value, use "BP" for with Backing Paper or "NP" for no backing paper
Silicone backing paper is yellow, acrylic backing paper is blue. Same price with or without backing.
- All standard tapes are 36 yards. 18 yard rolls are available.
- Silicone adhesive is .0022" thick.

MIL-I-23594C / A-A-59474 Skived PTFE Tape with Self Adhesive
500°F / 260°C: Tuff-Flex™ High Temperature & Chemical Resistance with Ultra
Smooth Non-Stick Surface. Type 1 Class 1, Type 1 Class 2, Type 1 Class 4



- High elongation provides excellent conformability around splices and connectors.
- One side is coated with Silicone high temperature adhesive
- Providing excellent chemical resistance and superior electrical insulation. Used as a low friction release tape for heat sealing and other packaging applications.
- Used on various machinery parts to provide a smooth stick-free surface such as on production line runners, rollers and guides for easy product and parts conveyance.
- Used as an electrical tape for high insulation and high temperature performance. High dielectric breakdown.
- Used for splicing of PTFE coated wiring and for forming watertight seals around blasting cap and detonating cord, lap splicing of firing cable (mining & underwater demolition).
- -73°C to +260°C (-100°F to +500°F) operating temperature.

Type 1 Class 1: 4.2kV dielectric 0.0015" to 0.0025" backing thickness. Type 1 Class 2: 7.2kV dielectric 0.0026" to 0.0035" backing thickness. Type 1 Class 4: 12.7kV dielectric 0.0046" to 0.0055" backing thickness

Not classified but available: 19.5kV dielectric .010" backing thickness

Skived PTFE Electrical Tape with Self Adhesive High Temperature, Heat & Chemical Resistance MIL-I-23594C / A-A-59474		
Part Number	Width in / mm	
	T-AA59474-MILI23594-0.500-X	.5
T-AA59474-MILI23594-0.750-X	.75	19
T-AA59474-MILI23594-1.000-X	1.0	25
T-AA59474-MILI23594-1.250-X	1.25	32
T-AA59474-MILI23594-1.500-X	1.5	38
T-AA59474-MILI23594-2.000-X	2.0	51
T-AA59474-MILI23594-2.500-X	2.5	64
T-AA59474-MILI23594-3.000-X	3.0	76

Custom slitting to any width is available up to a maximum of 19 inches wide. Sold in full rolls only. Roll length 108 feet.

- For the "X" value in the part number, substitute X with: "T1C1", "T1C2", or "T1C4" or "T-C NA"
- Meets MIL-I-23594C / A-A-59474 specifications. CofC available. Part number T-C NA supplied with a CofC but falls outside of the MIL/AA specifications as it is thicker with a higher dielectric than the spec calls for.
- There is no backing release liner.

A22

MIL-I-23594C / A-A-59474 Skived PTFE Tape with Self Adhesive
500°F / 260°C: Tuff-Flex™ High Temperature & Chemical Resistance with Ultra Smooth Non-Stick Surface. Type 1 Class 1, Type 1 Class 2, Type 1 Class 4



MIL-I-23594C / A-A-59474 Skived PTFE Tape with Self Adhesive				
Physical Properties				
Property	Specification or typical test results			
	Type 1 Class 1	Type 1 Class 2	Type 1 Class 4	T-C NA
Backing Material	PTFE skived film	PTFE skived film	PTFE skived film	PTFE skived film
Adhesive Material	Silicone	Silicone	Silicone	Silicone
Total Thickness mm (mils)	0.089 (3.5)	0.114 (4.5)	0.165 (6.5)	0.292 (11.5)
Backing Thickness mm (mils)	0.051 (2.0)	0.076 (3.0)	0.127 (5.0)	0.254 (10.0)
Adhesive Thickness mm (mils)	0.038 (1.5)	0.038 (1.5)	0.038 (1.5)	0.038 (1.5)
Adhesion to Steel N/cm (oz/in)	3.3 (30)	3.8 (35)	4.4 (40)	5.5 (50)
Tensile Strength N/cm (oz/in)	26 (15)	35 (20)	53 (30)	96 (55)
Elongation (% at break)	325	350	400	450
Dielectric Strength (volts) Spec minimum / typical	4,200 / 7,500	7,200 / 9,500	12,700 / 13,000	NA / 19,500
Direct Electrolytic Corr.	1.0	1.0	1.0	1.0
Operating Temperature °C (°F)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)
Colour *	White / Grey	White / Grey	White / Grey	White / Grey

* The color of this product may be white or grey and is dependant on one of the compound additives used at time of manufacture. The typical test results take into account the use of either of the additives.

MIL-P-46112B / ASTM D5213 Polyimide Tape with Silicone Self Adhesive 500°F / 260°C: Tuff-Flex™ High Temperature & Chemical Resistance



- 0.001" thick PI film with 0.0015" thick silicone adhesive.
- High elongation provides excellent conformability around splices and connectors.
- One side is coated with Silicone high temperature adhesive
- Providing excellent chemical resistance and superior electrical insulation.
- Used for masking in electronic circuit board fabrication, especially wave soldering processes.
- Used as an electrical tape for high insulation and high temperature performance. High dielectric breakdown.
- Used as a ground barrier and phase separator in coil making.
- Used in aircraft wiring and electric traction motor applications.
- -73°C to +260°C (-100°F to +500°F) operating temperature.
- Tensile strength of 30 lb/inch. Adhesion to steel of 25 oz/inch. Elongation of minimum 55%.

Polyimide Electrical Tape with Silicone Self Adhesive High Temperature, Heat & Chemical Resistance MIL-P-46112B / ASTM D5213		
Part Number	Width in / mm	
	T-PI-MILP46112B-0.500	.5
T-PI-MILP46112B-0.750	.75	19
T-PI-MILP46112B-1.000	1.0	25
T-PI-MILP46112B-1.250	1.25	32
T-PI-MILP46112B-1.500	1.5	38
T-PI-MILP46112B-2.000	2.0	51
T-PI-MILP46112B-2.500	2.5	64
T-PI-MILP46112B-3.000	3.0	76

Custom slitting to any width is available up to a maximum of 19 inches wide. Sold in full rolls only. Roll length 108 feet.

- Meets MIL-P-46112B / ASTM D5213 specifications. CofC available.

Tuff-Flex™ Expanded PTFE Joint Seal Tape

550°F / 287°C: High Temperature & Chemical Resistance



- Made from ePTFE

Pure ePTFE joint seal tape with an adhesive backing makes a superb cord formed gasket for use as a jointing on all types of flanges. Excellent corrosion resistance, high pressure resistance, easy to use, soft and is ideal for enamel, glass, and especially rough and special shaped sealing.

Excellent resistance to almost all solvents, caustics and acids.

PTFE melting point is 620°F / 327°C.

- PH Range: 0 to 14
- Maximum tensile: 4260 psi (30Mpa)
- Temperature Range: -500F / -268C to +500F / +260C
- Pressure Limits: 2900 psi / 200 kgf/cm2 (20Mpa)

550°F / 287°C continuous rating

This is a high-performance ePTFE used in almost all industries for its heat protection & Chemical Resistance.

Tuff-Flex™ High Temperature, Heat & Chemical Resistance ePTFE Joint Seal

Part Number	Dimension Width (inch) / Length (feet) / Thickness (inch)		Part Number	Dimension Width (inch) / Length (feet) / Thickness (inch)	
T-PT-JS-125-100	.125" / 100' / 0.10"		T-PT-JS-500-15	.500" / 15' / 0.21"	
T-PT-JS-125-500	.125" / 500' / 0.10"		T-PT-JS-500-30	.500" / 30' / 0.21"	
T-PT-JS-187-75	.187" / 75' / 0.10"		T-PT-JS-500-150	.500" / 150' / 0.21"	
T-PT-JS-187-500	.187" / 500' / 0.10"		T-PT-JS-625-15	.625" / 15' / 0.23"	
T-PT-JS-250-50	.250" / 50' / 0.10"		T-PT-JS-625-30	.625" / 30' / 0.23"	
T-PT-JS-250-100	.250" / 100' / 0.10"		T-PT-JS-625-150	.625" / 150' / 0.23"	
T-PT-JS-250-250	.250" / 250' / 0.10"		T-PT-JS-750-15	.750" / 15' / 0.25"	
T-PT-JS-250-500	.250" / 500' / 0.10"		T-PT-JS-750-30	.750" / 30' / 0.25"	
T-PT-JS-375-25	.375" / 25' / 0.17"		T-PT-JS-750-100	.750" / 100' / 0.25"	
T-PT-JS-375-50	.375" / 50' / 0.17"		T-PT-JS-1000-15	1.000" / 15' / 0.30"	
T-PT-JS-375-250	.375" / 250' / 0.17"		T-PT-JS-1000-30	1.000" / 30' / 0.30"	
			T-PT-JS-1000-75	1.000" / 75' / 0.30"	

* Note: The PSA will burn off at temperatures above 400°F and should be used to facilitate installation. Material with PSA should not be used in confined areas at elevated temperatures without ventilation until all of the PSA has vaporized.

NOTE: This product is made in round form, then flattened: the width and thickness tolerance is +/- 0.063" for 0.50" wide seal and larger, and +/- 0.031" for 0.375" wide seal and smaller.

This Product is NOT Available By The Foot

Fiberglass Tape with PTFE Resin Impregnation, Non- Adhesive
FDA Food Contact Approved
500°F / 260°C: Tuff-Flex™ High Temperature & Chemical Resistant with Smooth Non-Stick Surface - Premium Grade



- This tape is made by slitting our PTFE resin impregnated fiberglass fabric.
- Provides excellent chemical resistance and superior electrical insulation. Used as a low friction release tape for heat sealing bars and other packaging applications.
- Used on various machinery parts to provide a smooth stick-free surface such as on production line runners and guides for easy product and parts conveyance.
- Used as an electrical tape for high insulation and high temperature performance.
- Premium Grade is an exceptionally smooth surface with a higher PTFE content than Industrial Grade.
- Temperature range: -100°F to +500°F (-73°C to +260°C).
- Silicone or Acrylic Adhesive.

Tuff-Flex™ High Temperature, Heat & Chemical Resistant Fiberglass Tape with PTFE Resin Impregnation: Premium Grade		
Part Number	Width in / mm	
T-FG-PTRI-FDA-P-M013-08-X	.5	13
T-FG-PTRI-FDA-P-M019-12-X	.75	19
T-FG-PTRI-FDA-P-M025-16-X	1.0	25
T-FG-PTRI-FDA-P-M032-20-X	1.25	32
T-FG-PTRI-FDA-P-M038-24-X	1.5	38
T-FG-PTRI-FDA-P-M051-32-X	2.0	51
T-FG-PTRI-FDA-P-M064-40-X	2.5	64
T-FG-PTRI-FDA-P-M076-48-X	3.0	76

Custom slitting available up to a maximum of 36 inches.

- For the "X" value in the part number, use "3" for .003", "5" for .005", "6" for .006", "10" for .010", "14" for .014" thickness
- All tapes are standard 36 yards. 18 yard rolls are available.
- .003" Dielectric S = 5 kV / A = 4.5 kV; .005" Dielectric S = 7.5 kV / A = 7 kV; .006" Dielectric S = 8.5 kV / A = 8.5 kV; .010" Dielectric S = 9.5 kV / A = 9 kV. (S = silicone / A = Acrylic).
- Tensile Strength Warp/Fill (lbs/in): .003" = 95/55; .005" = 140/130; .006" = 150/115; .010" = 325/235
- Tear Strength Warp/Fill (lbs/in): .003" = 1.5/0.9; .005" = 2.2/1.7; .006" = 2.1/1.8; .010" = 7.5/4.0

The PTFE resin is applied to the base fabric in a hot process and under pressure, causing a total impregnation of the base fabric. The surface of the resin is smooth and it takes considerable and aggressive force to scratch the PTFE surface to remove it from the fabric with fingernail scraping.

Fiberglass Tape with PTFE Resin Impregnation, Non Adhesive
FDA Food Contact Approved
500°F / 260°C: Tuff-Flex™ High Temperature & Chemical Resistant with Smooth
Non-Stick Surface - Industrial Grade



- This tape is made by slitting our PTFE resin impregnated fiberglass fabric.
- Provides excellent chemical resistance and superior electrical insulation. Used as a low friction release tape for heat sealing and other packaging applications.
- Used on various machinery parts to provide a smooth stick-free surface such as on production line runners and guides for easy product and parts conveyance.
- Used as an electrical tape for high insulation and high temperature performance.
- Industrial Grade is a smooth surface with slight surface texturization (underlying fiberglass weave). Premium Grade is an exceptionally smooth surface with a higher PTFE content than Industrial Grade.
- Temperature range: -100°F to +500°F (-73°C to +260°C).

Tuff-Flex™ High Temperature, Heat & Chemical Resistant Fiberglass Tape with PTFE Resin Impregnation & Self Adhesive: Industrial Grade		
Part Number	Width in / mm	
T-FG-PTRI-FDA-I-M013-08-X	.5	13
T-FG-PTRI-FDA-I-M019-12-X	.75	19
T-FG-PTRI-FDA-I-M025-16-X	1.0	25
T-FG-PTRI-FDA-I-M032-20-X	1.25	32
T-FG-PTRI-FDA-I-M038-24-X	1.5	38
T-FG-PTRI-FDA-I-M051-32-X	2.0	51
T-FG-PTRI-FDA-I-M064-40-X	2.5	64
T-FG-PTRI-FDA-I-M076-48-X	3.0	76

Custom slitting available up to a maximum of 36 inches.

- For the "X" value in the part number, use "3" for .003, "5" for .005, "6" for .006, "10" for .010, "14" for .014
- Dielectric: .003" S = 5 kV / A = 5 kV; .005" S = 6 kV / A = 6 kV; .006" S = 8 kV / A = 8 kV; .010" S = 9.5 kV / A = 8.5 kV; .014" S = 10.5 kV / A = 9 kV (S = silicone / A = Acrylic).
- Tensile Strength Warp/Fill (lbs/in): .003" = 90/50; .005" = 135/120; .006" = 150/140; .010" = 250/155; .014" = 440/250
- Tear Strength Warp/Fill (lbs/in): .003" = 1.7/0.9; .005" = 2.3/1.5; .006" = 2.0/1.5; .010" = 4.9/3.0; .014" = 7.0/5.0
- Standard tapes are 36 yards. 18 yard rolls are available.

The PTFE resin is applied to the fabric in a hot process and under pressure, causing a total impregnation of the base fabric. The surface of the resin is smooth and it takes considerable and aggressive force to scratch the ptfе surface to remove it from the fabric with tool or fingernail scraping.

Tacky-Cloth™ White Rubber Coated Fiberglass Gasket Seal Tape
550°F / 287°C: Tuff-Flex™ High Temperature Heat Resistant Tape:
With or Without Wire Insert



This is a widely used and universal tape for making gaskets, especially where a rough or uneven surface or flange exists. The tape is a fiberglass base with a special white rubber formulation coating. The tape is tacky, and has a plastic film surface covering that is removed before installation. The tape will stick to itself once the film is removed.

Wire Inserted Version: The fill (width wise) yarn for this version of the fabric has a twisted brass wired formed with it, providing additional dimensional stability/strength.

Same price, either version.

550°F / 287°C continuous rating, excellent sealing properties as a gasket material

Tuff-Flex™ High Temperature White Rubber Coated Fiberglass Universal Gasket Tape (Tacky Cloth)	
Part Number	Width in / mm
T-FG-TC-M013-08-X-Z	.50 / 13
T-FG-TC-M019-12-X-Z	.75 / 19
T-FG-TC-M025-16-X-Z	1.0 / 25
T-FG-TC-M032-20-X-Z	1.25 / 32
T-FG-TC-M038-24-X-Z	1.50 / 38
T-FG-TC-M051-32-X-Z	2.00 / 51
T-FG-TC-M076-48-X-Z	3.00 / 76
T-FG-TC-M102-64-X-Z	4.00 / 102
T-FG-TC-M127-80-X-Z	5.00 / 127

0.5" and 0.75" width tapes not available in A or E thickness
For the "X" value specify either A, B, C, D, or E

"A" thickness = .062 / 1.6mm; "B" thickness = .125 / 3.2mm; "C" thickness = .187 / 4.8mm;
 "D" thickness = .250 / 6.3mm; "E" thickness = .375 / 7.9mm

For the "Z" value, use "W" to specify with wire insert and "N" to specify no wire

Curing: It is recommended that this material be cured in situ. This material must be heated to a minimum of 300°F within 60 minutes, then it must sit at 300°F or higher for 90 minutes for the rubber to fully cure. Do not overtorque the material during this curing time or the rubber will be squeezed off of the base material. If the material is not fully cured, the rubber will drip from the material causing voids. After curing the material can be exposed to a lower operational temperature.

Tacky Cloth™ Luting & Groove Packing

550°F / 287°C: Tuff-Flex™ High Temperature Heat Resistant, Wire Inserted



- Luting & groove packing.
- Formed square: available rectangular or round.
- Standard 25 and 50 foot lengths.

550°F / 287°C continuous rating, excellent sealing properties as a gasket material

Tuff-Flex™ High Temperature Luting & Groove Packing - Square	
Part Number	Size in / mm
T-FG-TC-LGP-M010-06-X	.375 / 10
T-FG-TC-LGP-M013-08-X	.500 / 13
T-FG-TC-LGP-M016-10-X	.625 / 16
T-FG-TC-LGP-M019-12-X	.750 / 19
T-FG-TC-LGP-M022-14-X	.875 / 22
T-FG-TC-LGP-M025-16-X	1.00 / 25
T-FG-TC-LGP-M029-18-X	1.125 / 29
T-FG-TC-LGP-M032-20-X	1.250 / 32
T-FG-TC-LGP-M038-24-X	1.500 / 38

For the "X" value specify either "R" for Regular, or "GC" for Graphite Coated

Curing: It is recommended that this material be cured in situ. This material must be heated to a minimum of 300°F within 60 minutes, then it must sit at 300°F or higher for 90 minutes for the rubber to fully cure.

Do not overtorque the material during this curing time or the rubber will be squeezed off of the base material.

If the material is not fully cured, the rubber will drip from the material causing voids. After curing the material can be exposed to a lower operational temperature.

Woven Fiberglass Ultra Thin Electrical Apparatus Insulating Tape:
Premium Grade
1200°F / 648°C: DeltaGlass™ Very High Temperature & Heat Resistant



- Woven from filament fiberglass yarns (non texturized), this tape will withstand temperatures up to 1200°F / 648°C in continuous service
- Ultra-Thin .007" / .177 mm thickness.
- Used extensively as an insulating tape in transformers, motors and generators. This tape is a bright white color. Selvaged edge to prevent fraying.
- This tape offers superior insulating properties as well as very low chloride and alkali content.
- Other widths available by custom order.
- Various finishes and treatments available including heat cleaned.
- Roll length 50 yards / 150 feet.

1200°F / 648°C continuous rating, high insulation value

Very High Temperature & Heat Resistant Woven Fiberglass Apparatus Tape Ultra-Thin: .007" / .177mm thickness		
Part Number	Width in / mm	
	T-FG-WOVEN-UT-2.0-M051-007	2.0
T-FG-WOVEN-UT-3.0-M076-007	3.0	76

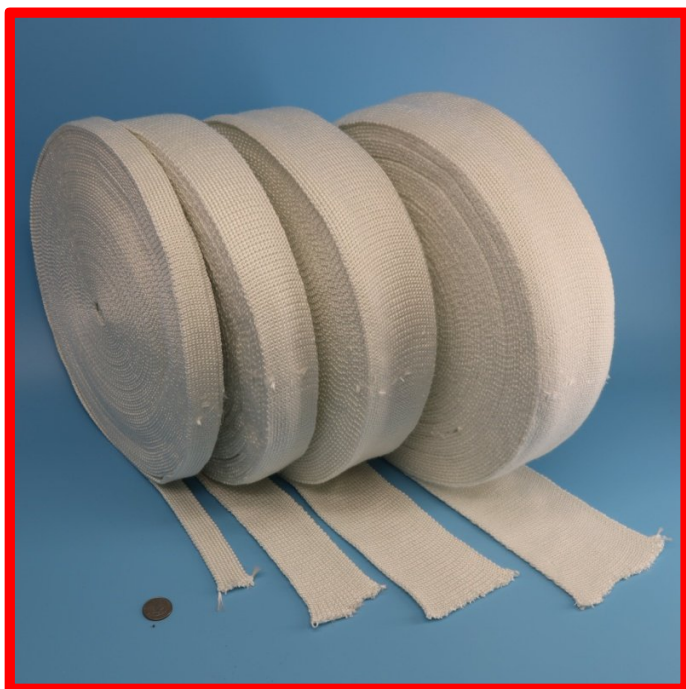
**Woven Fiberglass 7628 MIL-C-20079H Type II Class I
Hullboard Lagging Tape
1200°F / 648°C: DeltaGlass™ Very High Temperature & Heat Resistant**



- Woven from filament fiberglass yarns (non texturized), this tape will withstand temperatures up to 1200°F / 648°C in continuous service.
- 0.007" / .177 mm thickness.
- Available in 1", 1 ½", 2", 3", 4" and 6" widths.
- Used extensively as a hullboard tape.
- Meets MIL-C-20079H: very low chloride and alkali content.
- Other widths available by custom order.
- Various finishes and treatments available including heat cleaned.
- Roll length 50 yards / 150 feet
- Supplied unfinished. Silane finish available at +30% (full case only).

Very High Temperature & Heat Resistant Woven Fiberglass 7628 Hullboard Tape – MIL-C-20079H Type II Class I			
Part Number	Width in / mm		Rolls / case
	T-FG-HBT7628-1.0-M025-007	1.0	
T-FG-HBT7628-1.5-M038-007	1.5	38	72
T-FG-HBT7628-2.0-M051-007	2.0	51	54
T-FG-HBT7628-3.0-M076-007	3.0	76	36
T-FG-HBT7628-4.0-M102-007	4.0	102	27
T-FG-HBT7628-6.0-M152-007	6.0	152	18

Fiberglass Knitted Gasket / Thermal Insulation Tape
1200°F / 648°C: DeltaGlass™ Very High Temperature & Heat Resistant
Plain Tape & Bolt Hole / Drop-Warp / LadderTape™: Premium Grade



These knitted tapes are fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1200°F / 648°C.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

The base fiber is manufactured to the specifications of ASTM D-578, ASTM committee D13, and subcommittee D13.18.

Knitted tapes are extremely flexible and highly conformable, much more so than the same dimension tape in a woven style.

Texturized yarn ensures high bulk and high thermal insulation value.

A Heat Treated version of this product is available – please enquire.

1200°F / 648°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Fiberglass Knitted Tape: Plain & Bolt Hole/Drop-Warp/LadderTape™ - Premium		
1/8" / 3mm Thick Knitted Plain Tape / Drop-Warp - LadderTape™		
Part Number	Width inch / mm	
T-FG-KNIT-1.000-M025-X	1"	25
T-FG-KNIT-1.250-M032-X	1 1/4"	32
T-FG-KNIT-1.500-M038-X	1 1/2"	38
T-FG-KNIT-1.750-M044-X	1 3/4"	44
T-FG-KNIT-2.000-M051-X	2"	51
T-FG-KNIT-2.500-M064-X	2 1/2"	64
T-FG-KNIT-3.000-M076-X	3"	76
T-FG-KNIT-4.000-M102-X	4"	102
T-FG-KNIT-5.000-M127-X	5"	127

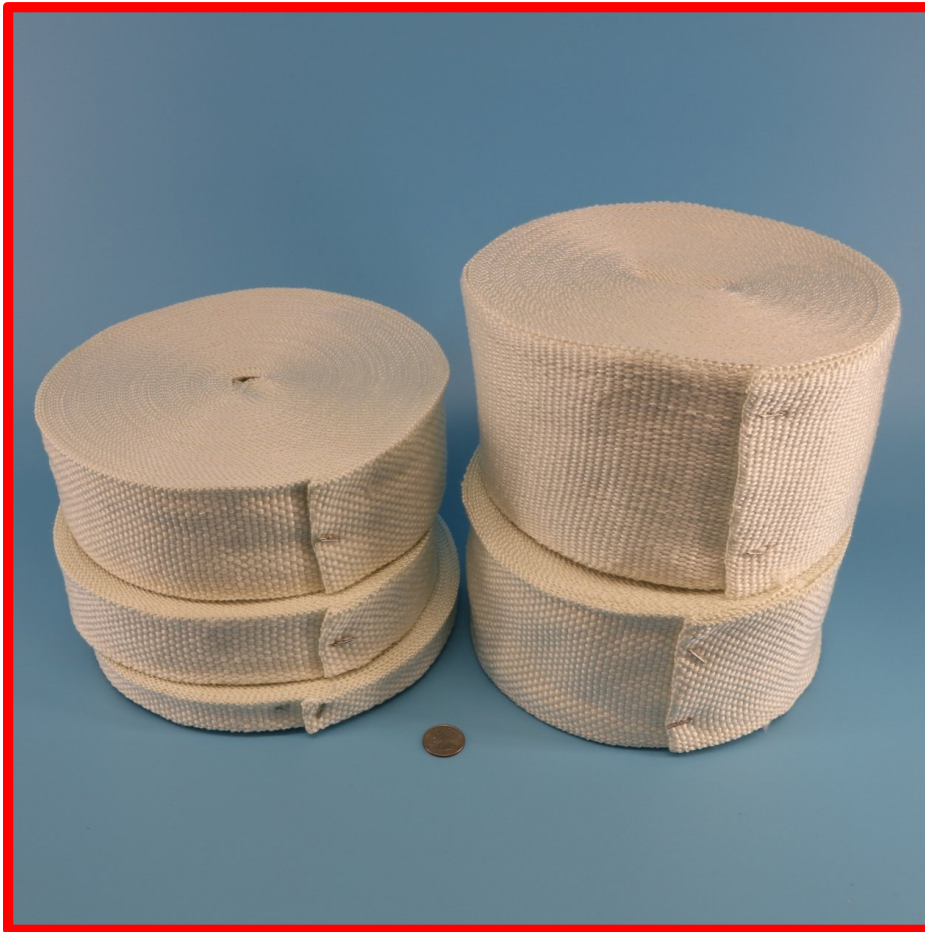
Each roll contains 100 feet / 30 metres.

For the "X" value specify either "P" for Plain Style, or "DW" for Drop Warp (Bolt-Hole / Ladder)

This Product is NOT Available By-The-Foot – Full Rolls Only

To aid in mounting this tape onto surfaces, FlangeStik™ pressure sensitive adhesive spray can be used to place the tape in situ temporarily. Permanent fasteners or grab strips should be installed prior to heating of the area sprayed above 200°F. The adhesive will "smoke-off" at elevated temperatures.

MIL-C-20079H Type I Class 9 Woven Fiberglass Gasket / Thermal Insulating Tape
1200°F / 648°C: DeltaGlass™ Very High Temperature & Heat Resistant



Manufactured of texturized fiberglass yarns, this tape will withstand temperatures up to 1200°F / 648°C in continuous service. 100% asbestos free, this tape is a bright white color.

This tape offers superior insulating properties as well as low chloride content.

Offered in *Plain* and *Drop Warp (also known as Bolt-Hole or LadderTape™)*. Drop Warp tape has lengthwise yarns missing from the center of the tape to allow fasteners to pass through the tape for assembly onto access doors, etc.

A Heat Treated version of these tapes is available – add “-HT” to the part number. Price for heat treating is \$6.00 per roll. Heat treated tapes are low smoke, dimensionally set and exceptionally clean of organic content. Tapes are also available with Pressure Sensitive Adhesive (PSA).

Fiber Type:	E Glass
Specific Gravity:	2.54-2.69
Breaking Tenacity:	1.71 gf/TEX. Std. 1.71 gf/TEX Wet
Tensile Strength:	450,000-500,000 psi.
Breaking Elongation:	4.81% Std. 4.81% Wet
Elastic Recovery:	100%
Average Stiffness:	2824.3 cn/TEX

Effect of Heat: Will not burn; Retains 75% tensile at 343°C; Softens at 732-877°C; Melts at 1121-1182°C.

Effect of Acids and Alkalis; Resistance to acids is fair. Good resistance to most alkalis.

Effect of Bleaches and Solvents: Unaffected.

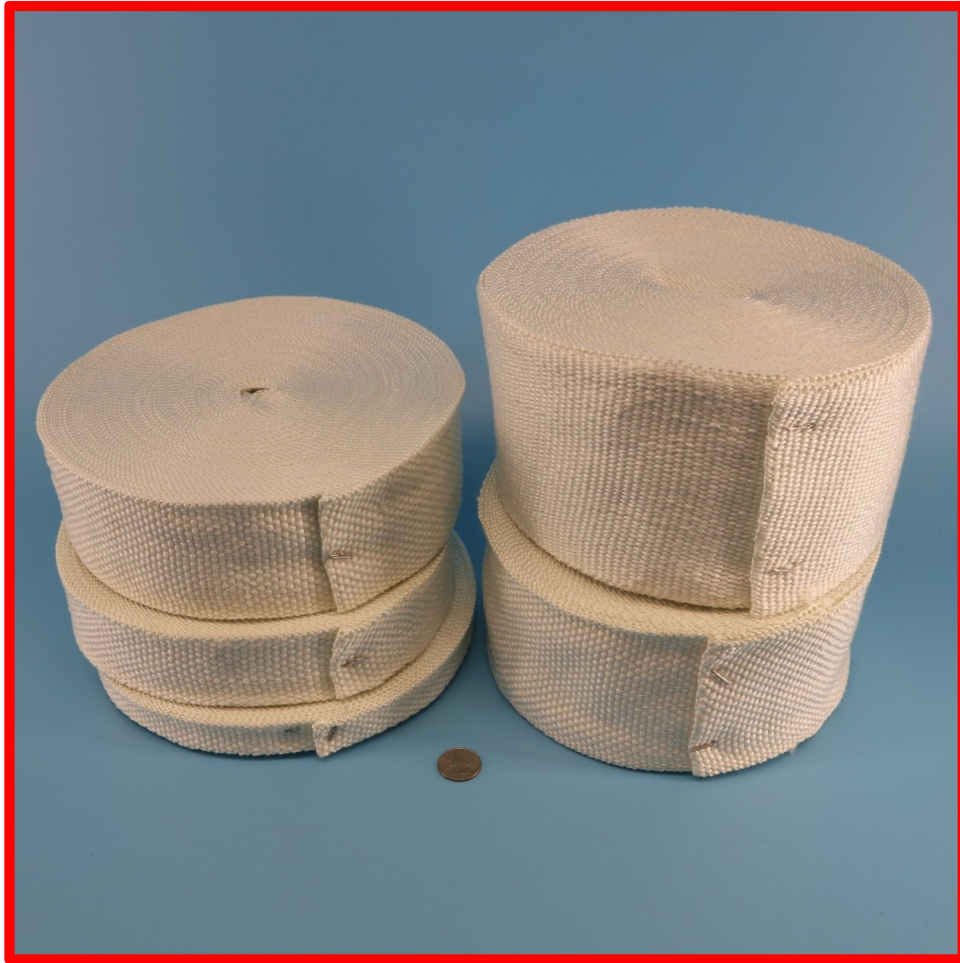
MIL-C-20079H Type I Class 9 Woven Fiberglass Gasket / Thermal Insulating Tape (Continued)



MIL-C-20079H Type I Class 9 High Temperature & Heat Resistant Fiberglass Woven Gasket Thermal Insulating Tape			
Part Number	Width in / mm		Weight (lb) per Roll
T-FG-MILC20079H-0.500-M013	.5	13	1.0
T-FG-MILC20079H-0.750-M019	.75	19	1.6
T-FG-MILC20079H-1.000-M025	1.0	25	2.1
T-FG-MILC20079H-1.250-M032	1.25	32	2.5
T-FG-MILC20079H-1.500-M038	1.5	38	3.0
T-FG-MILC20079H-2.000-M051	2.0	51	4.1
T-FG-MILC20079H-2.500-M064	2.5	64	5.1
T-FG-MILC20079H-3.000-M076	3.0	76	6.2
T-FG-MILC20079H-3.500-M089	3.5	89	7.3
T-FG-MILC20079H-4.000-M102	4.0	102	8.2
T-FG-MILC20079H-4.500-M114	4.5	114	9.2
T-FG-MILC20079H-5.000-M127	5.0	127	10.3
T-FG-MILC20079H-5.500-M140	5.5	140	11.3
T-FG-MILC20079H-6.000-M152	6.0	152	12.3

- All tapes are 100 foot / 30 metre lengths.
- Heat Treated / Heat Cleaned Available: low smoke – dimensionally set – exceptionally clean

**Woven Fiberglass Gasket / Thermal Insulating Tape: Premium Grade
1200°F / 648°C: DeltaGlass™ Very High Temperature & Heat Resistant Plain &
Drop-Warp (Bolt-Hole / Ladder Tape™)**



Manufactured of texturized fiberglass yarns, this tape will withstand temperatures up to 1200°F / 648°C in continuous service. 100% asbestos free, this tape is a bright white color.

This tape offers superior insulating properties as well as low chloride content.

Offered in *Plain* and *Drop Warp* (also known as *Bolt-Hole* or *LadderTape™*). Drop Warp tape has lengthwise yarns missing from the center of the tape to allow fasteners to pass through the tape for assembly onto access doors, etc.

A Heat Treated version of these tapes is available – add “-HT” to the part number. Price for heat treating is \$6.00 per roll. Heat treated tapes are low smoke, dimensionally set and exceptionally clean of organic content. Tapes are also available with Pressure Sensitive Adhesive (PSA).

Fiber Type:	E Glass
Specific Gravity:	2.54-2.69
Breaking Tenacity:	1.71 gf/TEX. Std. 1.71 gf/TEX Wet
Tensile Strength:	450,000-500,000 psi.
Breaking Elongation:	4.81% Std. 4.81% Wet
Elastic Recovery:	100%
Average Stiffness:	2824.3 cn/TEX

Effect of Heat: Will not burn; Retains 75% tensile at 343°C; Softens at 732-877°C; Melts at 1121-1182°C.

Effect of Acids and Alkalis; Resistance to acids is fair. Good resistance to most alkalis.

Effect of Bleaches and Solvents: Unaffected.

Woven Fiberglass Gasket / Thermal Insulating Tape: Premium Grade (Continued)



Very High Temperature & Heat Resistant Fiberglass Woven Plain & Drop-Warp (Bolt-Hole / LadderTape™) - Premium Grade					
Part Number	Width in / mm		Nominal weight per roll		
			"A" thickness Weight (lb) / roll	"B" thickness Weight (lb) / roll	"C" thickness Weight (lb) / roll
T-FG-WOVEN-P-0.500-M013-X-Z**	.5	13	1.0	2.2	NA
T-FG-WOVEN-P-0.750-M019-X-Z**	.75	19	1.6	3.2	6.9
T-FG-WOVEN-P-1.000-M025-X-Z	1.0	25	2.1	4.2	9.8
T-FG-WOVEN-P-1.250-M032-X-Z	1.25	32	2.5	5.2	12.6
T-FG-WOVEN-P-1.500-M038-X-Z	1.5	38	3.0	6.2	14.6
T-FG-WOVEN-P-2.000-M051-X-Z	2.0	51	4.1	8.2	19.5
T-FG-WOVEN-P-2.500-M064-X-Z	2.5	64	5.1	10.2	24.4
T-FG-WOVEN-P-3.000-M076-X-Z	3.0	76	6.2	12.2	29.3
T-FG-WOVEN-P-3.500-M089-X-Z	3.5	89	7.3	14.2	34.2
T-FG-WOVEN-P-4.000-M102-X-Z	4.0	102	8.2	16.5	39.0
T-FG-WOVEN-P-4.500-M114-X-Z	4.5	114	9.2	18.5	44.0
T-FG-WOVEN-P-5.000-M127-X-Z	5.0	127	10.3	20.5	48.8
T-FG-WOVEN-P-5.500-M140-X-Z	5.5	140	11.3	22.5	53.7
T-FG-WOVEN-P-6.000-M152-X-Z	6.0	152	12.3	24.5	58.6

- For the "X" Value, specify A, B or C in part number to correspond to the desired thickness
A = 1/16" / .0625" / 1.59mm **B** = 1/8" / .125" / 3.18mm **C** = 1/4" / .250" / 6.35mm
- For the "Z" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape. Same price either version.
- Add "-HT" to the part number for heat treated version. Add \$6.00 to roll price for heat treating.
- All tapes are 100 foot / 30 metre lengths.
- Items with * may have higher minimum order quantities – please call.
- ** -08 / .5" / 13mm and -12 / .75" / 19mm width tapes are not available in Drop Warp
- Heat Treated / Heat Cleaned Available: low smoke – dimensionally set – exceptionally clean
- 0.50" wide tape is not available in 1/4" thickness.

Custom width tapes: Minimum 20 rolls or \$650 setup charge for lower quantities.

Woven Fiberglass Gasket / Thermal Insulating Tape:
Premium Grade with PSA Adhesive
1200°F / 648°C: DeltaGlass™ Very High Temperature & Heat Resistant Plain & Drop
Warp (Bolt-Hole / Ladder Tape™) with Adhesive PSA



Manufactured of texturized fiberglass yarns, this tape will withstand temperatures up to 1200°F / 648°C in continuous service. 100% asbestos free, this tape is a bright white color.

This tape offers superior insulating properties as well as low chloride content.

Offered in *Plain* and *Drop Warp* (also known as *Bolt-Hole* or *LadderTape™*). Drop Warp tape has lengthwise yarns missing from the center of the tape to allow fasteners to pass through the tape for assembly onto access doors, etc.

A Heat Treated version of this product is available – please enquire. Also available without Pressure Sensitive Adhesive (PSA) (see previous page in catalog).

Fiber Type:	E Glass
Specific Gravity:	2.54-2.69
Breaking Tenacity:	1.71 gf/TEX. Std. 1.71 gf/TEX Wet
Tensile Strength:	450,000-500,000 psi.
Breaking Elongation:	4.81% Std. 4.81% Wet
Elastic Recovery:	100%
Average Stiffness:	2824.3 cn/TEX

Effect of Heat: Will not burn; Retains 75% tensile at 343°C; Softens at 732-877°C; Melts at 1121-1182°C.

Effect of Acids and Alkalis; Resistance to acids is fair. Good resistance to most alkalis.

Effect of Bleaches and Solvents: Unaffected.

**Woven Fiberglass Gasket / Thermal Insulating Tape:
Premium Grade with PSA Adhesive (Continued)**



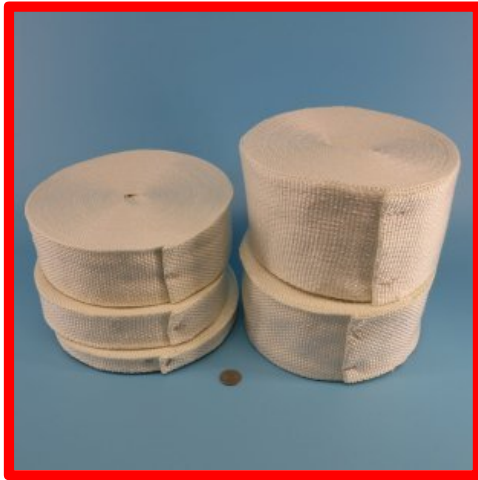
1200°F / 648°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Fiberglass Woven Plain & Drop-Warp / Bolt-Hole / LadderTape™ Premium Grade with PSA Adhesive		
Part Number	Width in / mm	
T-FG-WOVEN-P-0.500-M013-X-Z-PSA**	.5	13
T-FG-WOVEN-P-0.750-M019-X-Z-PSA**	.75	19
T-FG-WOVEN-P-1.000-M025-X-Z-PSA	1.0	25
T-FG-WOVEN-P-1.250-M032-X-Z-PSA	1.25	32
T-FG-WOVEN-P-1.500-M038-X-Z-PSA	1.5	38
T-FG-WOVEN-P-2.000-M051-X-Z-PSA	2.0	51
T-FG-WOVEN-P-2.500-M064-X-Z-PSA	2.5	64
T-FG-WOVEN-P-3.000-M076-X-Z-PSA	3.0	76
T-FG-WOVEN-P-3.500-M089-X-Z-PSA	3.5	89
T-FG-WOVEN-P-4.000-M102-X-Z-PSA	4.0	102
T-FG-WOVEN-P-4.500-M114-X-Z-PSA	4.5	114
T-FG-WOVEN-P-5.000-M127-X-Z-PSA	5.0	127
T-FG-WOVEN-P-5.500-M140-X-Z-PSA	5.5	140
T-FG-WOVEN-P-6.000-M152-X-Z-PSA	6.0	152

- For the "X" Value, specify A, B or C in part number to correspond to the desired thickness
A = 1/16" / .0625" / 1.59mm **B** = 1/8" / .125" / 3.18mm **C** = 1/4" / .250" / 6.35mm
- For the "Z" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape. Same price either version.
- All tapes are 100 foot / 30 metre lengths.
- Items with * may have higher minimum order quantities – please call.
- ** -.08 / .5" / 13mm and -.12 / .75" / 19mm width tapes are not available in Drop Warp or 1/4" thickness
- Heat Treated / Heat Cleaned Available: low smoke – dimensionally set – exceptionally clean

Custom width tapes: Minimum 20 rolls or \$650 setup charge for lower quantities.

Fiberglass Woven Gasket & Thermal Insulating Tape: *Industrial Grade* 1200°F / 648°C: - Very High Temperature & Heat Resistant Plain & Drop-Warp (Bolt-Hole / Ladder Tape)



Manufactured of texturized fiberglass yarns, tape will withstand temperatures up to 1200°F / 648°C in continuous service.

This tape offers superior insulating properties as well as low chloride content.

Offered in *Plain* and *Drop Warp* (also known as *Bolt-Hole* or *LadderTape™*). Drop Warp tape has lengthwise yarns missing from the center of the tape to allow fasteners to pass through the tape for assembly onto access doors, etc. This is also called a Ladder or Bolthole tape.

A Heat Treated version of this product is available.

Industrial grade tape has a lower bulk than Premium grade (the same size tape weighs more in Premium grade than Industrial grade as it has more fibreglass content). Available with and without Pressure Sensitive Adhesive (PSA).

1200°F / 648°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Fiberglass Woven Plain & Bolt-Hole / Drop-Warp / LadderTape™ - Industrial Grade		
Part Number	Width in / mm	
T-FG-WOVEN-I-0.500-M013-X-Z**	.5	13
T-FG-WOVEN-I-0.750-M019-X-Z**	.75	19
T-FG-WOVEN-I-1.000-M025-X-Z	1.0	25
T-FG-WOVEN-I-1.250-M032-X-Z	1.25	32
T-FG-WOVEN-I-1.500-M038-X-Z	1.5	38
T-FG-WOVEN-I-2.000-M051-X-Z	2.0	51
T-FG-WOVEN-I-2.500-M064-X-Z	2.5	64
T-FG-WOVEN-I-3.000-M076-X-Z	3.0	76
T-FG-WOVEN-I-3.500-M089-X-Z	3.5	89
T-FG-WOVEN-I-4.000-M102-X-Z	4.0	102
T-FG-WOVEN-I-4.500-M114-X-Z	4.5	114
T-FG-WOVEN-I-5.000-M127-X-Z	5.0	127
T-FG-WOVEN-I-5.500-M140-X-Z	5.5	140
T-FG-WOVEN-I-6.000-M152-X-Z	6.0	152

- For the "X" value, specify "A" or "B" in part number to correspond to the desired thickness
A = 1/16" / .0625" / 1.59mm **B** = 1/8" / .125" / 3.18mm **C** = 1/4" / .250" / 6.35mm
- For "Z" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape
 Same price either version. Not all sizes available in drop warp style.
- All tapes are 100 foot / 30 metre lengths.
- Items with * may have higher minimum order quantities – please call.
- ** .5"/13mm and .75"/19mm width tapes are not available in Drop Warp

Fiberglass Woven Gasket & Thermal Insulating Tape:
Premium Grade / Special Thin
1200°F / 648°C: Very High Temperature & Heat Resistant Plain & Bolt-Hole /
LadderTape™



Manufactured of texturized fiberglass yarns, this tape will withstand temperatures up to 1200°F / 648°C in continuous service.

This tape offers superior insulating properties as well as low chloride content.

Offered in *Plain* and *Drop Warp (also known as Bolt-Hole or LadderTape™)*. Drop Warp tape has lengthwise yarns missing from the center of the tape to allow fasteners to pass through the tape for assembly onto access doors, etc.

Very High Temperature & Heat Resistant Fiberglass Woven Plain & Bolt-Hole / Drop-Warp / LadderTape™ Premium Grade / Special Thin 1/32" / .0313" / 0.8mm Thickness		
Part Number	Width in / mm	
T-FG-WOVEN-P-THIN-0.500-M013-X**	.5	13
T-FG-WOVEN-P-THIN-1.000-M025-X	1.0	25
T-FG-WOVEN-P-THIN-1.500-M038-X	1.5	38
T-FG-WOVEN-P-THIN-2.000-M051-X	2.0	51
T-FG-WOVEN-P-THIN-2.500-M064-X	2.5	64
T-FG-WOVEN-P-THIN-3.000-M076-X	3.0	76
T-FG-WOVEN-P-THIN-3.500-M089-X	3.5	89
T-FG-WOVEN-P-THIN-4.000-M102-X	4.0	102
T-FG-WOVEN-P-THIN-4.500-M114-X	4.5	114
T-FG-WOVEN-P-THIN-5.000-M127-X	5.0	127
T-FG-WOVEN-P-THIN-5.500-M140-X	5.5	140
T-FG-WOVEN-P-THIN-6.000-M152-X	6.0	152

- This tape is 1/32" / .0313" / 0.8mm thick
- For the "X" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape. Same price either style.
- Add "-HT" to the part number for heat treated version. Add \$6.00 to roll price for heat treating.
- Add "-PSA" to the part number for tape with PSA coating.
- All tapes are 100 foot / 30 metre lengths.
- ** -08 / .5" / 13mm width tapes are not available in Drop Warp

**Fiberglass Colored Woven Tape:
1200°F / 648°C: Very High Temperature & Heat Resistant: Industrial Grade**



Manufactured of texturized fiberglass yarns, tape will withstand temperatures up to 1200°F / 648°C in continuous service.

tape offers superior insulating properties as well as low chloride content.

Color coded tapes are an excellent solution for identifying hoses and pipes, for example, as supply (hotter) or return (cooler).

Available in Black, Blue, Red, Green, Silver

Only available in 1/16" thick.

1200°F / 648°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Fiberglass Woven Color Coded Tape		
Part Number	Width in / mm	
T-FG-WOVEN-CC-1.000-M025-A-X-Y	1.0	25
T-FG-WOVEN-CC-2.000-M051-A-X-Y	2.0	51

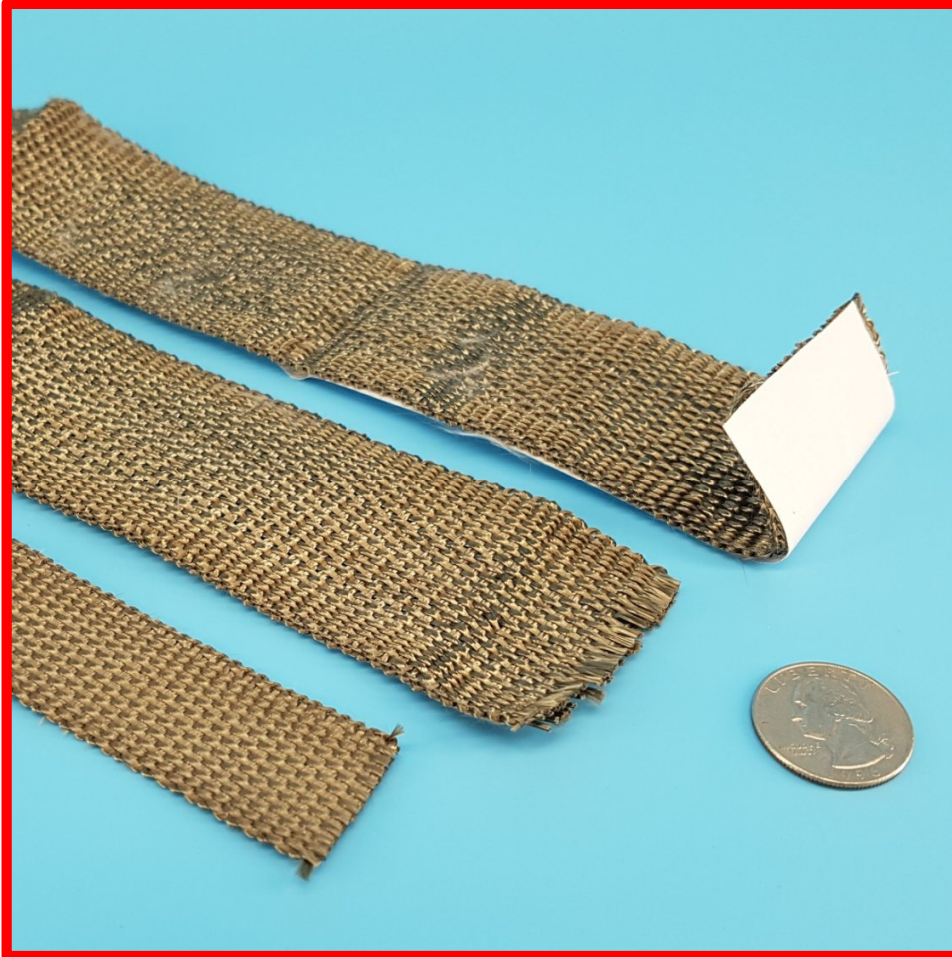
- For the "X" value, specify "BK" for black; "BL" for blue; "R" for red; "G" for green; "S" for silver/grey.
- For the "Y" value, add the length to the part number; -15, -25, -50

MINIMUM ORDER 200 ROLLS

RockGlass™ Rock Fiber Basalt Woven Header Wrap & Thermal Insulating Tape



1350°F / 732°C: Very High Temperature & Heat Resistant



RockGlass™ is a tape manufactured from basalt rock fiber that remains soft and workable at temperatures where fiberglass tapes become brittle.

Withstands temperatures up to 1350°F / 732°C constant exposure without becoming brittle.

Available with an acrylic Pressure Sensitive Adhesive (PSA) designed to aid in placement of the tape in gasket applications. The PSA will smoke off at temperatures above 425°F / 218°C.

RockGlass™ Rock Fiber Basalt Woven Header Wrap & Thermal Insulating Tape (continued)

1350°F / 732°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant RockGlass™ Tape .045" Thick – 15, 25 and 50 foot roll lengths		
Part Number	Width in / mm	
T-RockGlass-1.0-M025-X-Z	1.0	25
T-RockGlass-2.0-M051-X-Z	2.0	51

- Roll lengths of 15, 25 and 50 feet
- For the "X" value, specify "15" for 15 foot roll, "25" for 25 foot roll, or "50" for 50 foot roll.
- For the "Z" value in part number: use "-P" for Plain style tape or "-PSA" for tape with PSA.
- Normally Stock item – Minimum order is 1 roll or \$50.00

Very High Temperature & Heat Resistant RockGlass™ Tape 0.125 & 0.062" Thick – 100 foot roll length		
Part Number	Width in / mm	
T-RockGlass-1.0-M025-X-Z	1.0	25
T-RockGlass-2.0-M051-X-Z	2.0	51
T-RockGlass-3.0-M076-X-Z	3.0	76
T-RockGlass-4.0-M102-X	4.0	102
T-RockGlass-5.0-M102-X	5.0	127

- For the "X" value, specify "A" for 0.062" thickness and "B" for 0.125" thickness
- This product is a custom run with delivery running 6 weeks
- Minimum order is 20 rolls per line item

Fiberglass Woven Gasket & Thermal Insulating Tape with Vermiculite Coating: *Premium Grade*

1500°F / 815°C: FlameShield™ 1500 Very High Temperature & Heat Resistant
Plain & Bolt-Hole / LadderTape™ Intermittent use to 1800°F / 982°C



Plain tape shown on the left - Drop-Warp / Bolt Hole / Ladder tape shown on the right

Vermiculite coated fiberglass tape is manufactured from texturized fiberglass yarns then coated with Vermiculite, a 100% inorganic dispersion. Certified to meet the requirements of ASTM E 162, ASTM E 662, ASTM E 1354, ASTM E 136 & SMP 800-C for surface flammability, smoke and toxic gas generation.

Vermiculite coated tape will withstand temperatures up to 1500°F / 815°C constant exposure with excursions to 1800°F / 982°F. Also offers additional abrasion resistance and stiffness.

Offered in *Plain* and *Drop Warp (also known as Bolt-Hole or LadderTape™)*. Drop Warp tape has lengthwise yarns missing from the center of the tape to allow fasteners to pass through the tape for assembly onto access doors, etc. This is also called a Ladder-Tape or Bolt-hole tape.

Available with and without Pressure Sensitive Adhesive (PSA). Meets Federal Railroad Administration & Alstom (Bombardier) requirements for surface flammability and rate of smoke generation.

**Fiberglass Woven Gasket & Thermal Insulating Tape with Vermiculite Coating:
Premium Grade (Continued)**



1500°F / 815°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Vermiculite Coated Fiberglass Tape Premium Grade Plain & Bolt-Hole / Drop-Warp / LadderTape™		
Part Number	Width in / mm	
T-FG-VC-WOVEN-P-M013-08-X-Z**	.5	13
T-FG-VC-WOVEN-P-M019-12-X-Z**	.75	19
T-FG-VC-WOVEN-P-M025-16-X-Z	1.0	25
T-FG-VC-WOVEN-P-M032-20-X-Z	1.25	32
T-FG-VC-WOVEN-P-M038-24-X-Z	1.5	38
T-FG-VC-WOVEN-P-M051-32-X-Z	2.0	51
T-FG-VC-WOVEN-P-M064-40-X-Z	2.5	64
T-FG-VC-WOVEN-P-M076-48-X-Z	3.0	76
T-FG-VC-WOVEN-P-M089-56-X-Z	3.5	89
T-FG-VC-WOVEN-P-M102-64-X-Z	4.0	102
T-FG-VC-WOVEN-P-M127-80-X-Z	5.0	127
T-FG-VC-WOVEN-P-M152-96-X-Z	6.0	152

- For the "X" value, specify A, B or C in part number to correspond to the desired thickness
A = 1/16" / .0625" / 1.59mm B = 1/8" / .125" / 3.18mm C = 1/4" / .250" / 6.35mm
- For "Z" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape.
Same price either style.
- Add "-PSA" to the part number for tape with PSA coating.
- 1/16" and 1/8" thick tapes are 100 foot lengths. For 1/4" thick tapes, larger widths may be available in 50 foot lengths.
- ** -08 / .5" / 13mm and -12 / .75" / 19mm width tapes are not available in Drop Warp
- ** -08 / .5" / 13mm tapes not available in 1/4" thickness as a one piece tape: available laminated.

**Fiberglass Woven Gasket & Thermal Insulating Tape with Vermiculite
Coating: Industrial Grade**
1500°F / 815°C: FlameShield™ 1500 Very High Temperature & Heat Resistant
Plain & Bolt-Hole / LadderTape™



Vermiculite coated fiberglass tape is manufactured from texturized fiberglass yarns then coated with Vermiculite, a 100% inorganic dispersion. Certified to meet the requirements of ASTM E 162, ASTM E 662 & SMP 800-C for surface flammability, smoke and toxic gas generation.

Vermiculite coated tape will withstand temperatures up to 1500°F / 815°C constant exposure with excursions to 2000°F / 1093°F. Also offers abrasion resistant stability.

Offered in *Plain* and *Drop Warp* (also known as *Bolt-Hole* or *LadderTape™*). Drop Warp tape has lengthwise yarns missing from the center of the tape to allow fasteners to pass through the tape for assembly onto access doors, etc. This is also called a Ladder or Bolthole tape.

Available with and without Pressure Sensitive Adhesive (PSA). Meets Federal Railroad Administration requirements for surface flammability and rate of smoke generation.

Fiberglass Woven Gasket & Thermal Insulating Tape with Vermiculite Coating: *Industrial Grade (Continued)*



1500°F / 815°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Vermiculite Coated Fiberglass Tape Industrial Grade Plain & Bolt-Hole / Drop-Warp / LadderTape™		
Part Number	Width in / mm	
T-FG-VC-WOVEN-I-M013-08-X-Z	.5	13
T-FG-VC-WOVEN-I-M019-12-X-Z	.75	19
T-FG-VC-WOVEN-I-M025-16-X-Z	1.0	25
T-FG-VC-WOVEN-I-M032-20-X-Z	1.25	32
T-FG-VC-WOVEN-I-M038-24-X-Z	1.5	38
T-FG-VC-WOVEN-I-M051-32-X-Z	2.0	51
T-FG-VC-WOVEN-I-M064-40-X-Z	2.5	64
T-FG-VC-WOVEN-I-M076-48-X-Z	3.0	76
T-FG-VC-WOVEN-I-M089-56-X-Z	3.5	89
T-FG-VC-WOVEN-I-M102-64-X-Z	4.0	102
T-FG-VC-WOVEN-I-M127-80-X-Z	5.0	127
T-FG-VC-WOVEN-I-M152-96-X-Z	6.0	152

- For the "X" value, specify "A" or "B" in part number to correspond to the desired thickness.
A = 1/16" / .0625" / 1.59mm B = 1/8" / .125" / 3.18mm
- For "Z" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape
Same price either style.
- Drop Warp not available in 1/2 and 3/4 inch widths.
- * **NOTE: 0.5" wide x 1/16" tape roll is 500 feet in length.**

Fiberglass Woven Gasket & Thermal Insulating Tape with Vermiculite Coating: *Premium Grade / Special Thin*
1500°F / 815°C: FlameShield™ 1500 Very High Temperature & Heat Resistant
Plain & Bolt-Hole / LadderTape™



Vermiculite coated fibreglass tape is manufactured from texturized fiberglass yarns then coated with Vermiculite, a 100% inorganic dispersion. Certified to meet the requirements of ASTM E 162, ASTM E 662 & SMP 800-C for surface flammability, smoke and toxic gas generation.

Vermiculite coated tape will withstand temperatures up to 1500°F / 815°C constant exposure with excursions to 2000°F / 1093°F. Also offers additional abrasion resistance and stiffness.

Offered in *Plain* and *Drop Warp (also known as Bolt-Hole or LadderTape™)*. Drop Warp tape has lengthwise yarns missing from the center of the tape to allow fasteners to pass through the tape for assembly onto access doors, etc. This is also called a Ladder Tape or Bolt-hole tape.

Available with and without Pressure Sensitive Adhesive (PSA). Meets Federal Railroad Administration requirements for surface flammability and rate of smoke generation.

1500°F / 815°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Fiberglass Woven Plain & Bolt-Hole / Drop-Warp / LadderTape™ Premium Grade / Special Thin 1/32" / .0313" / 0.8mm Thickness		
Part Number	Width in / mm	
	T-FG-VC-WOVEN-P-T-M013-08-X	.5
T-FG-VC-WOVEN-P-T-M025-16-X	1.0	25
T-FG-VC-WOVEN-P-T-M038-24-X	1.5	38
T-FG-VC-WOVEN-P-T-M051-32-X	2.0	51
T-FG-VC-WOVEN-P-T-M064-40-X	2.5	64
T-FG-VC-WOVEN-P-T-M076-48-X	3.0	76
T-FG-VC-WOVEN-P-T-M089-56-X	3.5	89
T-FG-VC-WOVEN-P-T-M102-64-X	4.0	102
T-FG-VC-WOVEN-P-T-M114-72-X	4.5	114
T-FG-VC-WOVEN-P-T-M127-80-X	5.0	127
T-FG-VC-WOVEN-P-T-M140-88-X	5.5	140
T-FG-VC-WOVEN-P-T-M152-96-X	6.0	152

- This tape is 1/32" / .0313" / 0.8mm thick
- For the "X" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape.
- Add "-PSA" to the part number for tape with PSA coating.
- All tapes are 100 foot lengths.

Automotive Manifold, Header, Turbo & Exhaust Pipe Heat Insulating Tape & Wrap

1100°F / 593°C to 1500°F / 815°C: PowerTorque™ Tape

SilverGuard™ Fiberglass Woven Tape.

GoldGuard™ Fiberglass Woven Tape with Vermiculite Coating Tape.

BlackMax™ Fiberglass Woven Tape with Black Vermiculite Coating Tape.



Manifold and header wrapping is widely accepted as standard practice for performance auto and racing applications. There are two reasons for this. First, by adding an insulation layer around the exhaust gas piping, it keeps the temperature of the gas from dropping, which means the density of the gas is kept lower longer, and lower density means easier flow through the exhaust system. Easier flow means more horse power due to reduced back pressure.

Retaining heat in the exhaust flow, resulting in faster exhaust gas flow, also results in higher turbo charger spool speeds, resulting in a gain of horse power.

Second, wrapping exhaust system components also reduces the temperature of other under-hood components and systems, reducing both radiated heat and convective heating of electrical components, intake air, fuel and hydraulic hoses. Reducing under-hood temperature also helps reduce hood paint thermal damage.

PowerTorque™ Very High Temperature & Heat Resistant Manifold, Header, Turbo & Exhaust Pipe Wrapping Tape SilverGuard™, GoldGuard™ and BlackMax™		
Part Number	Width in / mm	
PowerTorque™ SilverGuard™ Tape		
T-FG-SG-M025-16-X	1.0	25
T-FG-SG-M051-32-X	2.0	50
PowerTorque™ GoldGuard™ Tape		
T-FG-GG-M025-16-X	1.0	25
T-FG-GG-M051-32-X	2.0	50
PowerTorque™ BlackMax™ Tape		
T-FG-BM-M025-16-X	1.0	25
T-FG-BM-M051-32-X	2.0	50

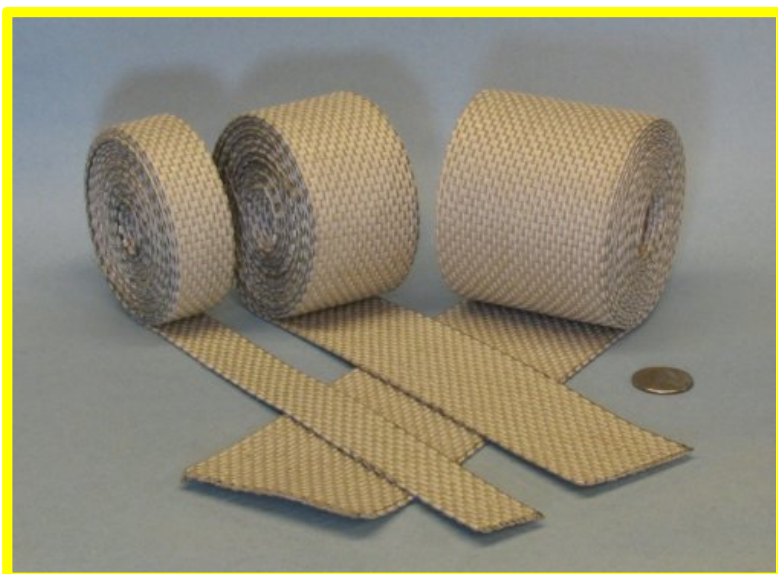
SilverGuard™ tape is Bright White, GoldGuard™ is a Tan/Gold color and BlackMax™ is Black

In the part number, replace the "X" value with the length of the tape: i.e.; 25, 50, 100

Stainless Steel Free End Self Locking Clamps: Used to secure tape in place. Makes a neat low profile installation. (standard hand tools can be used to tighten and cut the remaining free end)

Silica Slit Gasket & Thermal Insulating Tape

1800°F / 982°C: InSilMax™ Extreme High Temperature, Heat, Flame,
Molten Metal & Weld Splatter Resistant



An alternative to asbestos and ceramic based textiles. Highly flexible and minimal shrinkage. High abrasion resistance and tensile strength. Melts above 3000°F / 1648°C. Available with a PSA (pressure sensitive adhesive) to facilitate easy installation (*see note).

Produced from an extremely pure silica base fiber (SiO₂) and can be used at 2000°F / 1093°C continuously with excursions to 3000°F / 1650°C.

Weave is tight, but edge fray is possible with slit tapes. For non fray edges use a woven tape.

1, 2 and 3 inch tapes shown

InSilMax™ Extreme Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant Silica Tapes			
0.090" / 2.3mm Thick Tape / 25, 50 & 100 Foot Standard Roll			
Part Number	Width inch / mm / dash #		
T-S-SLIT-M025-16	1"	25	-16
T-S-SLIT-M032-20	1 1/4"	32	-20
T-S-SLIT-M038-24	1 1/2"	38	-24
T-S-SLIT-M051-32	2"	51	-32
T-S-SLIT-M064-40	2 1/2"	64	-40
T-S-SLIT-M076-48	3"	76	-48
T-S-SLIT-M102-64	4"	102	-64
T-S-SLIT-M127-80	5"	127	-80
T-S-SLIT-M152-96	6"	152	-96

Available in standard 25 foot / 7.6 metre or 50 foot / 15.2 metre rolls
For other lengths add +25% to price shown

* Note: The PSA will burn off at temperatures above 400°F and should be used to facilitate installation. Material with PSA should not be used in confined areas at elevated temperatures without ventilation until all of the PSA has vaporized.

To aid in mounting this tape onto surfaces, FlangeStik™ pressure sensitive adhesive spray can be used to place the tape in situ temporarily. Permanent fasteners or grab strips should be installed prior to heating of the area sprayed above 200°F. The adhesive will “smoke-off” at elevated temperatures.

This Product is Available By-The-Foot / Metre

Fine Weave Silica Slit Gasket & Thermal Insulating Tape With PSA Adhesive

**1800°F / 982°C: InSilMax™ Extreme High Temperature, Heat, Flame, Fire,
Molten Metal & Weld Splatter Resistant**



An alternative to asbestos and ceramic based textiles. Highly flexible and minimal shrinkage. High abrasion resistance and tensile strength. Melts above 3000°F / 1648°C. Includes an Acrylic PSA adhesive with backing release paper to facilitate easy installation (*see note).

Produced from an extremely pure silica base fiber (SiO₂) and can be used at 1800°F / 982°C continuously with excursions to 3000°F / 1650°C.

The base fabric is a fine weave, but edge fray is possible with slit tapes. As this tape has an adhesive coating the fray is minimized.

Top roll in photo is 1" wide .054" thick tape and bottom roll is 1" wide .030" thick tape. Bottom 2 rolls are 1 1/2" and 2" wide and are in their shipping protectors.

Used as a gasket tape on flanges for commercial ducting.

InSilMax™ Extreme Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant Fine Weave Silica Tape with Adhesive			
0.030" / .76 mm Thick Tape - 150 foot roll length			
Part Number	Width inch / mm / dash #		
T-S-SLIT-PSA-30-M025-16-X	1"	25	-16
T-S-SLIT-PSA-30-M038-24-X	1 1/2"	38	-24
T-S-SLIT-PSA-30-M051-32-X	2"	51	-32
0.054" / 1.37 mm Thick Tape - 75 foot roll length			
T-S-SLIT-PSA-54-M025-16-X	1"	25	-16
T-S-SLIT-PSA-54-M038-24-X	1 1/2"	38	-24
T-S-SLIT-PSA-54-M051-32-X	2"	51	-32

For "X", Specify "F" for by-the-foot, or "R" for full roll

* Note: The PSA will burn off at temperatures above 400°F and should be used to facilitate installation. Material with PSA should not be used in confined areas at elevated temperatures without ventilation until all of the PSA has vaporized.

Silica Folded & Stitched Gasket & Thermal Insulating Tape

1800°F / 982°C: InSilMax™ Extreme High Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant



An alternative to asbestos and ceramic based textiles. Highly flexible and minimal shrinkage. High abrasion resistance and tensile strength. Melts above 3000°F / 1648°C. Available with a PSA (pressure sensitive adhesive) to facilitate easy installation (*see note).

Produced from an extremely pure silica base fiber (SiO₂) and can be used at 1800°F / 982°C continuously with excursions to 3000°F / 1650°C.

Folded & Stitched tape is a thicker alternative to Slit Tape. Top roll in photo is one layer slit tape; 2nd roll from top is 2 layer folded and stitched; 3rd roll from top is three layer folded and stitched and bottom roll is 4 layer folded and stitched. All tapes are same length.

InSilMax™ Extreme Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant Folded & Stitched Silica Tape			
Folded & Stitched Silica Tape – 25 or 50 foot roll			
Width inch / mm / dash #			Part Number
1"	25	-16	T-S-F-M025-16-X-Y
1 1/4"	32	-20	T-S-F-M032-20-X-Y
1 1/2"	38	-24	T-S-F-M038-24-X-Y
2"	51	-32	T-S-F-M051-32-X-Y
2 1/2"	64	-40	T-S-F-M064-40-X-Y
3"	76	-48	T-S-F-M076-48-X-Y
4"	102	-64	T-S-F-M102-64-X-Y
5"	127	-80	T-S-F-M127-80-X-Y
6"	152	-96	T-S-F-M152-96-X-Y
8"	203	-102	T-S-F-M203-102-X-Y

For other than standard lengths, add 20% to the price shown

For the "X" value in the part number: specify "2" for 1/8" thick tape
"3" for 3/16" thick tape
"4" for 1/4" thick tape

Add "-P" to the part number to order tape with PSA on one side.

* Note: The PSA will burn off at temperatures above 400°F and should be used to facilitate installation. Material with PSA should not be used in confined areas at elevated temperatures without ventilation until all of the PSA has vaporized.

To aid in mounting this tape onto surfaces, FlangeStik™ pressure sensitive adhesive spray can be used to place the tape in situ temporarily. Permanent fasteners or grab strips should be installed prior to heating of the area sprayed above 200°F. The adhesive will "smoke-off" at elevated temperatures.

Silica Woven Gasket & Thermal Insulating Tape

1900°F / 1037°C: InSilMax™ Extreme High Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant



Available in Plain and Drop Warp (also known as Ladder Tape™ or Bolt-Hole Tape).

An alternative to asbestos and ceramic based textiles. Highly flexible and minimal shrinkage. High abrasion resistance and tensile strength. Melts above 3000°F / 1648°C. Available with a PSA (pressure sensitive adhesive) to facilitate easy installation (*see note).

Woven tape has the benefit over slit tape of edges that will not fray unless cut.

Common applications for this tape are as a gasket and seal material on high temperature access doors, inspection and clean-out doors and panels for kilns, ovens, furnaces, ventilation systems, etc.

The 1/4" / 6.4mm thick tape is produced from layering and stitching two 1/8" / 3.2mm tapes together.

InSilMax™ Extreme Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant Woven Silica Tapes			
Plain & Drop Warp Woven Silica Tape – 100 foot roll			
Width inch / mm / dash #			Part Number
1"	25	-16	T-S-WOVEN-M025-16-X-Z
1 1/2"	38	-24	T-S-WOVEN-M038-24-X-Z
2"	51	-32	T-S-WOVEN-M051-32-X-Z
3"	76	-48	T-S-WOVEN-M076-48-X-Z
4"	102	-64	T-S-WOVEN-M102-64-X-Z

Same Price Plain or Drop Warp (known as LadderTape™ or Bolt-Hole Tape)

This Product is Available in Full Rolls Only – Please enquire for exceptions

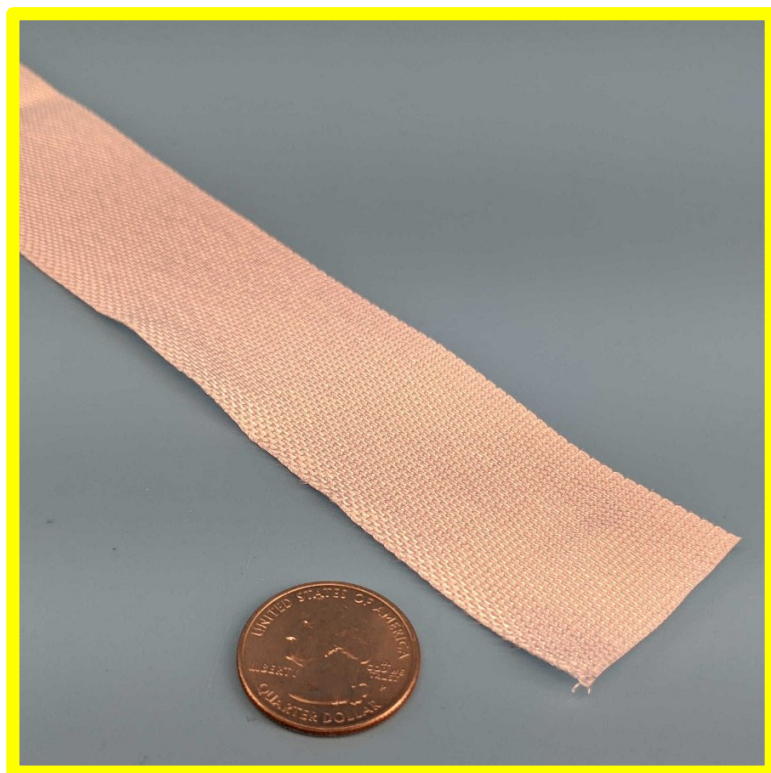
- For the "X" value, specify: "A" for 1/16" thick tape, "B" for 1/8" thick tape "C" for 1/4" thick tape
- For "Z" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape.

Add "-PSA" to the part number to order tape with PSA on one side.

* Note: The PSA will burn off at temperatures above 400°F and should be used to facilitate installation. Material with PSA should not be used in confined areas at elevated temperatures without ventilation until all of the PSA has vaporized.

Silica Woven Gasket & Thermal Insulating Tape – Special Thin

1900°F / 1037°C: InSilMax™ Extreme High Temperature, Heat, Flame,
Molten Metal & Weld Splatter Resistant



This is a tight weave plain tape in a special thin configuration of 0.015" / 0.381mm thickness.

An alternative to asbestos and ceramic based textiles. Highly flexible and minimal shrinkage. Good abrasion resistance and tensile strength. Melts above 3000°F / 1648°C.

Woven tape has the benefit over slit tape in that the edges that will not fray unless cut.

This tape is highly conformable and flexible, and due to its thin profile, is used in scientific and laboratory settings where a thin and flexible insulation tape is required that does not melt under flame exposure.

Also used as a gasket and seal material on high temperature access doors, inspection and clean-out doors and panels for kilns, ovens, furnaces, ventilation systems, etc. where the surfaces are relatively true and don't require a thicker tape to fill in larger gaps and defects.

InSilMax™ Extreme Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant Woven Silica Tape – Special Thin			
0.015" / 0.381mm thick – 25, 50 and 100 foot roll length			
Width inch / mm / dash #			Part Number
1 1/2"	38	-24	T-S-WOVEN-T-1.500-M038-X

- For the "X" value, specify: "25", "50" or "100" for roll length

Ceramic Fiber Gasket & Thermal Insulating Woven Tape 2000°F / 1093°C: CerMax™ Extreme High Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant



Available in Plain and Drop Warp style (also known as Ladder Tape™ or Bolt-Hole Tape).

Highly flexible and virtually no shrinkage. Melts above 3000°F / 1648°C.

Woven tape has the benefit of edges that will not fray unless cut.

Ceramic fiber tapes do not have the mechanical tensile strength of tapes made from other materials due to the short fiber lengths. To enhance the mechanical durability and handleability, these tapes are made with either Fiberglass or Inconel wire reinforcement.

Common applications for this tape are as a gasket and seal material on high temperature access doors, inspection and clean-out doors and panels for kilns, ovens, furnaces, ventilation systems, etc.

CerMax™ Extreme Temperature +Plus, Heat, Flame, Molten Metal & Weld Splatter Resistant Ceramic Fiber Tapes - 100 foot roll length

Width inch / mm		Part Number	1/16" / 2mm thick Fiberglass / Wire insert	1/8" / 3.2mm thick Fiberglass / Wire insert	1/4" / 6.4mm thick Fiberglass insert
1/2	13	T-C-WOVEN-0.500-M013-X-Y	Avail	Avail	NA
1"	25	T-C-WOVEN-1.000-M025-X-Y	Avail	Avail	NA
1 1/2"	38	T-C-WOVEN-1.500-M038-X-Y	NA / NA	Avail / NA	NA
2"	51	T-C-WOVEN-2.000-M051-X-Y	Avail	Avail	Avail
2 1/2"	64	T-C-WOVEN-2.500-M064-X-Y	NA / NA	NA / Avail	NA
3"	76	T-C-WOVEN-3.000-M076-X-Y	Avail	Avail	NA
4"	102	T-C-WOVEN-4.000-M102-X-Y	Avail	Avail	NA
5"	127	T-C-WOVEN-5.000-M127-X-Y	NA / NA	NA / Avail	NA
6"	152	T-C-WOVEN-6.000-M152-X-Y	NA / NA	NA / Avail	NA

** Note: 1/8 thick; 2", 3" and 4" wide, fiberglass reinforced, is available in Plain or Drop Warp (also known as LadderTape™ or Bolt-Hole Tape). Same price either version.

Some tapes available in 50 foot lengths – please enquire. Add 25% to above pricing when ordering in 50 foot lengths. Some tapes available in by-the-foot cut lengths – please enquire.

- For the "X" value, specify: "A1" for 1/16" thick tape or "B2" for 1/8" thick tape
- For the "Y" value, specify: "F" for Fiberglass reinforced or "W" for wire reinforced
- Add "-DW" to specify Drop Warp style tape (Only in 2", 3" and 4" widths in 1/8" thick).

P022022DA

To aid in mounting this tape onto surfaces, FlangeStik™ pressure sensitive adhesive spray can be used to place the tape in situ temporarily. Permanent fasteners or grab strips should be installed prior to heating of the area sprayed above 200°F. The adhesive will “smoke-off” at elevated temperatures.

Note regarding the Inconel wire re-enforced tapes: Inconel alloys are oxidation- and corrosion-resistant materials well suited for service in extreme environments subjected to high pressure and kinetic energy. When heated, Inconel forms a thick and stable passivating oxide layer protecting the surface from further attack. Inconel retains strength over a wide temperature range, attractive for high-temperature applications where aluminum and steel would succumb to creep. **Caution:** Tapes with Inconel wire insert are electrically conductive.

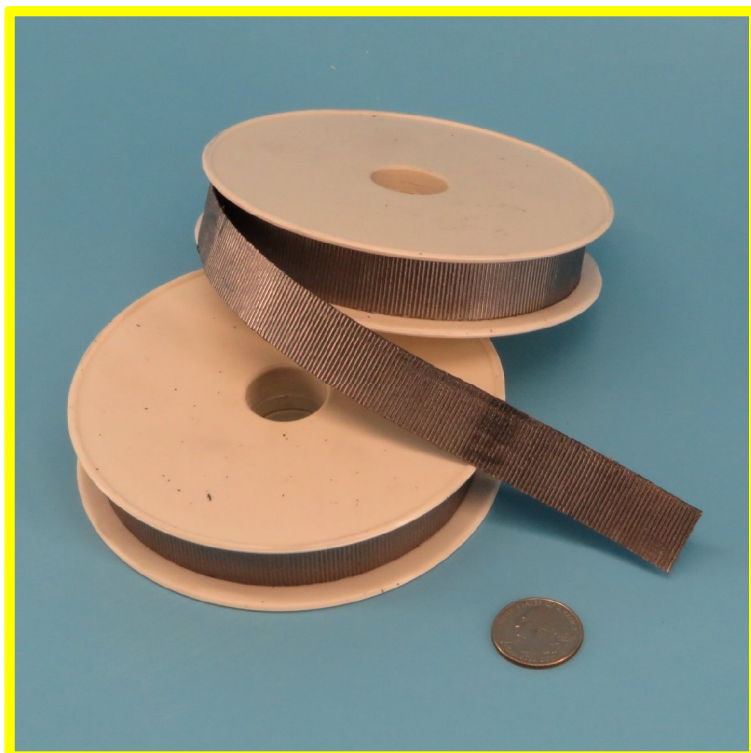
CerMax Tape Technical Data

CerMax is alumino-silicate based refractory fiber. White and odorless. Available with either a fiberglass or wire re-inforcement. Some organic binder is present, and will smoke-off at elevated temperatures. Once the organics have smoked-off, the product will turn white again. If smoke free operation is required, then it should be heat treated before use.

Chemical & Physical Data: Total Al_2O_3 and SiO_2 > 97% (Al_2O_3 : 47%); Fe_2O_3 <1.1%. Weight Loss (1800°F) 8-10%; Refractory Fiber content >85%. Fiber diameter: 2 - 4 microns; Fiber length: 100 - 250 mm. Fiber shrinkage (1800°F, 3 hr) <3.5%

Thermal Conductivity: 570°F: 0.84 BTU/ft² °F/in (0.12 W/m °K). 1100°F: 0.91 BTU/ft² °F/in (0.13 W/m °K). 1800°F: 1.19 BTU/ft² °F/in (0.17 W/m °K).

Flexible Graphite Tape (Corrugated / Crinkled)
950°F / 510°C to 5400°F / 2982°C GraphTek™ Extreme High Temperature,
Heat, Flame, Molten Metal & Weld Splatter Resistant



Flexible Graphite Tape is 99% Carbon, providing extreme heat protection, thermal dissipation, lubrication but does not add electrical conductivity. Made from mineral (flake) graphite it is non metallic, but thermally and electrically conductive just like metals.

Highly flexible and virtually no shrinkage. Melts above 6600°F / 3650°C.

This tape is corrugated / crinkled to aid in handling.

Service temperature range depends on surrounding conditions. Useable to 950°F / 510°C in an oxidizing atmosphere (standard air). Useable to 1500°F / 815°C in mild oxidizing or steam atmosphere and useable to 5400°F / 2982°C in non-oxidizing conditions.

Common applications for this tape are as an extreme temperature wrap for protection against flame and molten metal contact. Also used as gasket and seal material.

GraphTek™ Extreme Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant Graphite Tapes			
50 foot roll - .050" thick			
Width inch / mm / dash #			Part Number
1/4	6	-04	T-GR-M006-04-X
1/2"	13	-08	T-GR-M013-08-X
3/4"	19	-12	T-GR-M019-12-X
1"	25	-16	T-GR-M025-16-X
1 1/2"	39	-24	T-GR-M039-24-X

- For the "X" value, specify:
 "P" for plain tape.
 "PSA" for tape with PSA
 "IN" for tape with inhibitor

Heat Reflective Aluminum Foil Tape: with Silicone High Temperature Pressure Sensitive Adhesive (PSA) Meets A-A-59258 / MIL T-47014 and FAR 25.853(a)

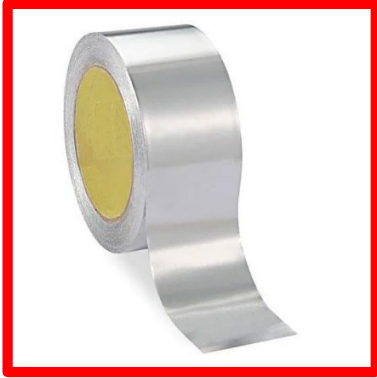
1000°F / 537°C: Short time peak with up to 600°F / 315°C continuous use



- Total thickness 90 microns (0.0035" / 0.09mm)
- Aluminum thickness 50 microns (0.0019" / 0.05mm)
- Shelf life 12 months; may be re-tested and extended.
- Adhesion to steel: 40 oz/inch.
- Tensile strength: 20 oz/inch.
- Elongation at break: 7%
- Water vapour transmission rate: 1.55 g/m²/24 hours
- Used for High temperature masking in many processes
- Normally supplied self wound – version with liner available.
- Roll length 60 yards.

- Alloy 1100-00
- Protection from radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Continuous operation at up to 600°F / 315°C.
- This tape provides protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Silicone rubber high temperature PSA adhesive.

**Heat Reflective Aluminum Foil Tape (Continued):
with Silicone High Temperature Pressure Sensitive Adhesive (PSA)
Meets A-A-59258 / MIL T-47014 and FAR 25.853(a)
1000°F / 537°C: Short time peak with 600°F / 315°C continuous**



Aluminum foil coated with silicone rubber high temperature pressure sensitive adhesive.

Designed for long term continuous operation at 600°F / 315°C, this tape will withstand short duration exposure up to 1000°F / 537°C.

The table below shows the most popular sizes - other sizes available.

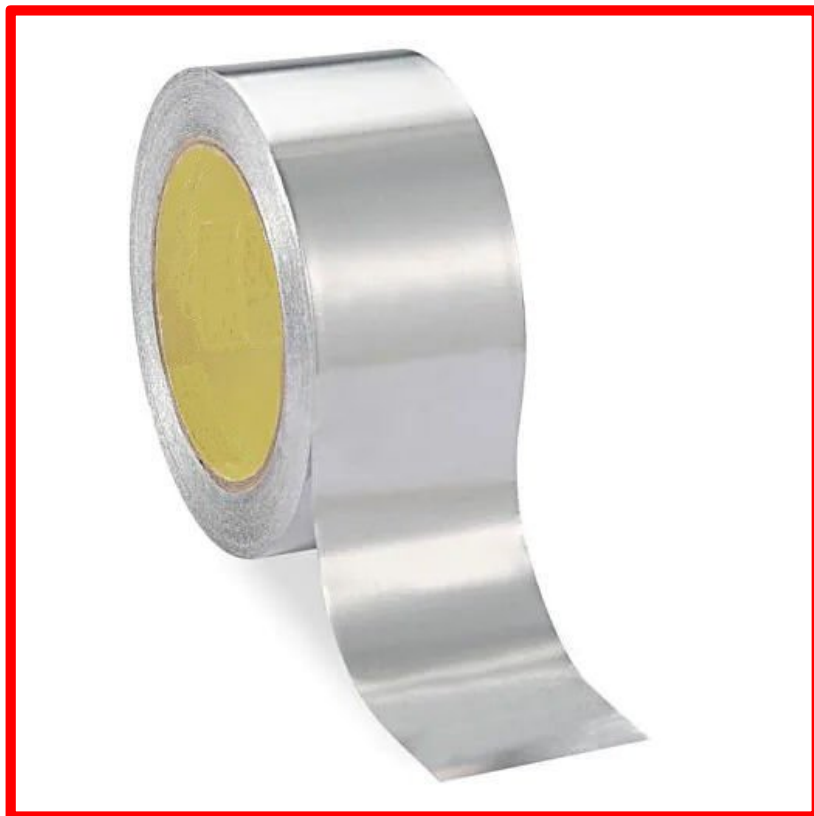
Aluminum Foil Radiant Heat Reflective Tape with Silicone High Temperature PSA adhesive Meets A-A-59258 / MIL T-47014 and FAR 25.853(a)	
Part Number	Width inch / mm
T-AL-ST-SA-M019-12-X	0.75 / 19
T-AL-ST-SA-M025-16-X	1.00 / 25
T-AL-ST-SA-M032-20-X	1.25 / 32
T-AL-ST-SA-M038-24-X	1.50 / 38
T-AL-ST-SA-M044-28-X	1.75 / 44
T-AL-ST-SA-M051-32-X	2.00 / 51
T-AL-ST-SA-M064-40-X	2.50 / 64
T-AL-ST-SA-M076-48-X	3.00 / 76
T-AL-ST-SA-M089-56-X	3.50 / 89
T-AL-ST-SA-M102-64-X	4.00 / 102
This tape can be fabricated in any width – please enquire	

For X in the part number; replace with S for self would or L for with liner.

Standard roll lengths are 60 yards

**Heat Reflective Aluminum Foil Masking Tape:
with Non-Conductive or Conductive Acrylic High Temperature Pressure
Sensitive Adhesive (PSA) or with Silicone Adhesive
Meets MIL-P-23397B1**

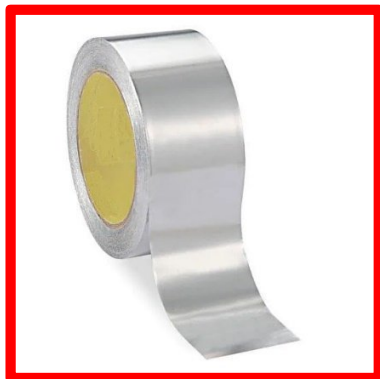
1000°F / 537°C: Peak with 600°F / 315°C continuous



- Available with standard non-conductive acrylic adhesive or with conductive acrylic adhesive or with Silicone adhesive.
- Three aluminum thicknesses..
- Shelf life 12 months; may be re-tested and extended.
- Adhesion to steel: 47 oz/inch.
- Tensile strength: 30 lb /inch.
- Elongation at break: 7%
- Water vapour transmission rate: 1.55 g/m²/24 hours
- Used for High temperature masking in many processes
- Normally with liner available.
- Roll length 60 yards.

- Protection from intense radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Continuous operation at 600°F / 315°C.
- This tape provides protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Silicone rubber high temperature PSA adhesive.

**Heat Reflective Aluminum Foil Masking Tape (Continued):
with Non Conductive or Conductive Acrylic High Temperature Pressure Sensitive
Adhesive (PSA) or with Silicone Adhesive
Meets MIL P-23397B1
1000°F / 537°C: Short time peak with 600°F / 315°C continuous**



Aluminum foil coated with silicone rubber high temperature pressure sensitive adhesive.

Designed for long term continuous operation at 600°F / 315°C, this tape will withstand short duration exposure up to 1000°F / 537°C.

The table below shows the most popular sizes - other sizes available.

Aluminum Foil Radiant Heat Reflective Tape with Silicone High Temperature PSA adhesive Meets A-A-59258 / MIL T-47014 and FAR 25.853(a)	
Part Number	Width inch / mm
T-AL-ST-AA-M019-12-X	0.75 / 19
T-AL-ST-AA-M025-16-X	1.00 / 25
T-AL-ST-AA-M032-20-X	1.25 / 32
T-AL-ST-AA-M038-24-X	1.50 / 38
T-AL-ST-AA-M044-28-X	1.75 / 44
T-AL-ST-AA-M051-32-X	2.00 / 51
T-AL-ST-AA-M064-40-X	2.50 / 64
T-AL-ST-AA-M076-48-X	3.00 / 76
T-AL-ST-AA-M089-56-X	3.50 / 89
T-AL-ST-AA-M102-64-X	4.00 / 102
This tape can be fabricated in any width – please enquire	

For X in the part number; replace with S for standard adhesive or C for conductive adhesive.

Standard roll lengths are 60 yards

**Heat Reflective Aluminum Foil Coated Fiberglass Tape:
Plain or with Pressure Sensitive Adhesive (PSA)
1000°F / 537°C: Peak with 650°F / 343°C continuous**



- Protection from intense radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Continuous operation at 650°F / 343°C.
- This tape is the perfect protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Can be supplied with self-adhesive (includes a backing paper).

**Heat Reflective Aluminum Foil Coated Fiberglass Tape (Continued):
Plain or with Pressure Sensitive Adhesive (PSA)
1000°F / 537°C: Peak with 650°F / 343°C continuous**



Constructed from a high-temperature base fabric which is then coated with highly-reflective polished aluminum. Designed for long term continuous operation at 650°F / 343°C, this tape will withstand short duration exposure up to 1200°F / 650°C. The aluminum coating melts at 1220°F / 660°C, however it does take some time for the aluminum to absorb enough heat to melt – thereby it can withstand short exposure to the higher temperatures.

The tape is fabricated by slitting from a roll fabric; the table below shows the most popular sizes - other sizes available. The same base fabric can be used for constructing a wide variety of protective sleeves and covers.

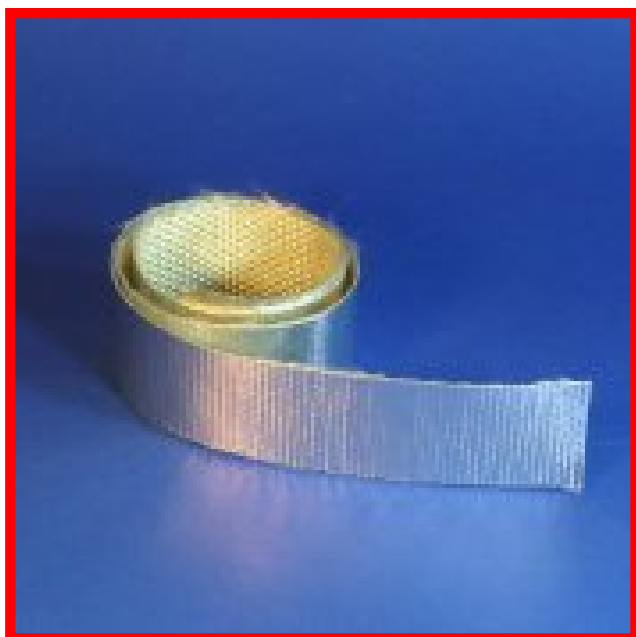
Aluminized (Aluminum Foil Coated) Fiberglass Radiant Heat Reflective Tape	
Available plain and with PSA adhesive	
Part Number	Width inch / mm
T-FG-AL-ST-M019-12-X	0.75 / 19
T-FG-AL-ST-M025-16-X	1.00 / 25
T-FG-AL-ST-M032-20-X	1.25 / 32
T-FG-AL-ST-M038-24-X	1.50 / 38
T-FG-AL-ST-M044-28-X	1.75 / 44
T-FG-AL-ST-M051-32-X	2.00 / 51
T-FG-AL-ST-M064-40-X	2.50 / 64
T-FG-AL-ST-M076-48-X	3.00 / 76
T-FG-AL-ST-M089-56-X	3.50 / 89
T-FG-AL-ST-M102-64-X	4.00 / 102
This tape can be fabricated in any width – please enquire	

For the X value: specify "21" for construction from 21 oz/yd² fabric; specify "35" for construction from 35 oz/yd² fabric

Standard roll lengths are 50 and 100 feet - other custom lengths available

Stainless Steel Foil Coated Fiberglass Tape

1000°F / 537°C: High Temperature & Radiant Heat Reflective – Non Adhesive or with Pressure Sensitive Adhesive (PSA)



- Protection from intense radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Continuous operation at 650°F / 343°C.
- This tape is the perfect protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Can be supplied with self-adhesive (includes a backing paper).

Constructed from a high-temperature base fabric which is then coated with a layer of stainless steel foil. Designed for long term continuous operation at 650°F / 343°C, this tape will withstand short duration exposure up to 1200°F / 650°C. The aluminum coating melts at 1220°F / 660°C, however it does take some time for the aluminum to absorb enough heat to melt – thereby it can withstand short exposure to the higher temperatures.

The tape is slit from a roll fabric.

The same base fabric can be used for constructing a wide variety of protective sleeves and covers for wire & cable covers, Festoon covers, robotic welding machine covers, etc.

Stainless Steel Coated Fiberglass Radiant Heat Reflective Tape	
Part Number	Width inch / mm
T-FG-SS-SLIT	Any Width to 36" maximum

- For the “X” value, specify: “P” for plain tape with no PSA, “PSA” for tape with PSA (call for pricing)

Aluminized PET Film Coated Fiberglass Tape; with adhesive 1000°F / 537°C: FlameShield™ High Temperature & Radiant Heat Reflective



- Protection from intense radiant heat. Reflects more than 95% of the radiant heat that contacts its surface.
- Base fabric rated for continuous operation at 1000°F / 537°C.
- This tape has a high temperature adhesive across its entire width, allowing the tape to be wrapped and formed into a sleeve around wires, cables or hoses. Can also be applied to other objects and shapes and used flat.
- Provides protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Thickness of .025”.

This high temperature and radiant heat reflective tape is constructed from a high-temperature fine woven fiberglass fabric substrate, which is then coated with highly-reflective aluminized PET film. The base fabric is designed for long term continuous operation at 1000°F / 537°C, this sleeve will withstand short duration exposure up to 1200°F / 650°C. The non aluminized side of the fabric is coated with an acrylic adhesive and release paper.

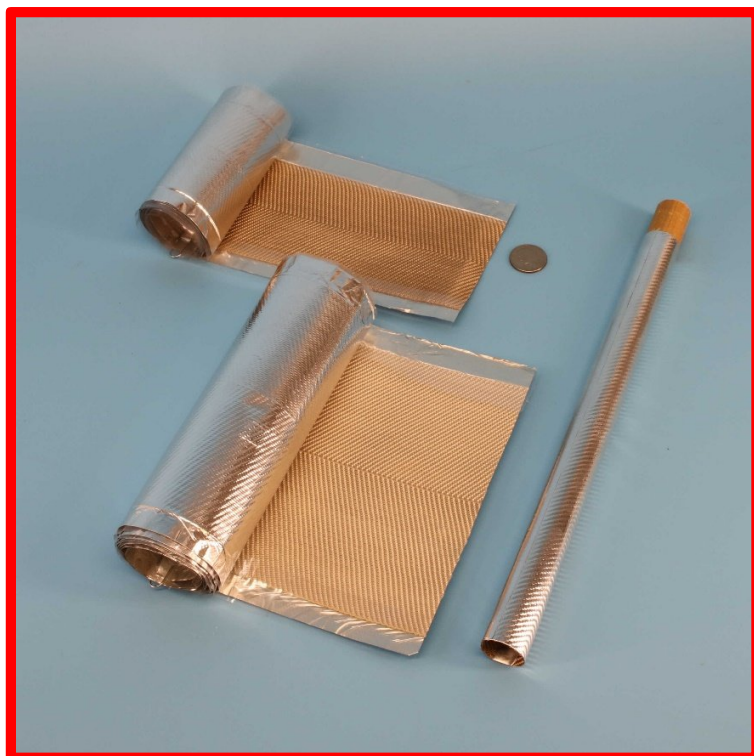
Added protection can be achieved by layering with other sleeve or tape materials underneath the reflective layer.

FlameShield™ Aluminized PET Coated Fiberglass Radiant Heat Reflective Tape with Pressure Sensitive Adhesive		
Part Number	Width inch / mm / dash	Spool Length, feet Bulk / Small
T-FG-ALM-PSA-M025-16-X	1.00 / 25 / -16	200 / 100
T-FG-ALM-PSA-M038-24-X	1.50 / 38 / -24	200 / 100
T-FG-ALM-PSA-M051-32-X	2.00 / 51 / -32	200 / 100
T-FG-ALM-PSA-M076-48-X	3.00 / 76 / -48	200 / 100
T-FG-ALM-PSA-M102-64-X	4.00 / 102 / -64	200 / 100
T-FG-ALM-PSA-M127-80-X	5.00 / 127 / -80	200 / 100
T-FG-ALM-PSA-M152-96-X	6.00 / 152 / -96	100 / 50
T-FG-ALM-PSA-M178-112-X	6.875 / 175 / -103	100 / 50

For the “X” value: use “B” for Bulk Spool size, use “S” for Small Spool size

This Product is Available in Spool Length Only

Sleeve Forming Heat Reflective Tape Aluminized PET Film Coated Fiberglass Tape; with adhesive 1000°F / 537°C: FlameShield™ High Temperature & Radiant Heat Reflective



- Protection from intense radiant heat. Reflects more than 95% of the radiant heat that contacts its surface.
- Base fabric rated for continuous operation at 1000°F / 537°C.
- This tape has a high temperature adhesive on each edge flap, allowing it to be formed as a sleeve around wires, cables and hoses.
- If one of the edge flaps is removed, then the tape can be formed into a freely resting sleeve which is not adhered to whatever it is covering.
- Provides protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Thickness of .025".

This high temperature and radiant heat reflective tape is constructed from a high-temperature fine woven fiberglass fabric substrate, which is then coated with highly-reflective aluminized PET film. The base fabric is designed for long term continuous operation at 1000°F / 537°C, this sleeve will withstand short duration exposure up to 1200°F / 650°C. This tape has an adhesive strip on each side that includes a release film. Added protection can be achieved by layering with other sleeve or tape materials underneath the reflective layer.

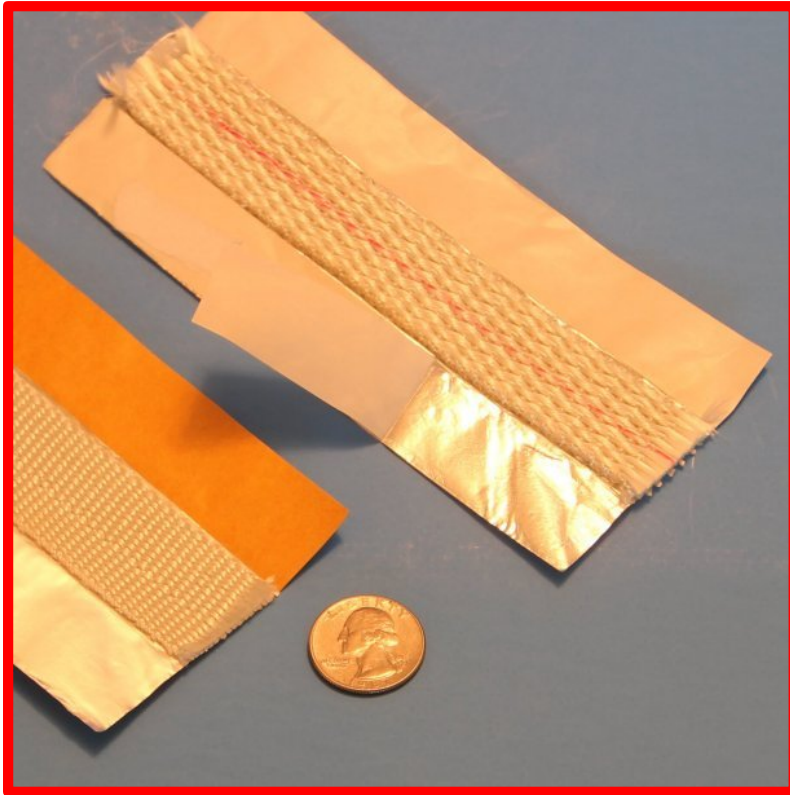
FlameShield™ Heat Reflecting Sleeve Forming Tape Aluminized PET Coated Fiberglass with PSA Adhesive			
Part Number	Nominal ID inch / mm / dash	Flat Width	Spool Length, feet Bulk / Small
T-SFT-FG-ALM-PSA-M013-0.50-X	0.50 / 13 / -08	1 13/16"	250 / 100
T-SFT-FG-ALM-PSA-M019-0.75-X	0.75 / 19 / -12	2 1/2"	250 / 100
T-SFT-FG-ALM-PSA-M025-1.00-X	1.00 / 25 / -16	3 3/8"	200 / 100
T-SFT-FG-ALM-PSA-M032-1.25-X	1.25 / 32 / -20	4 1/4"	200 / 100
T-SFT-FG-ALM-PSA-M038-1.50-X	1.50 / 38 / -24	5"	200 / 100
T-SFT-FG-ALM-PSA-M038-1.50-X	1.75 / 44 / -28	5 13/16"	100 / 50
T-SFT-FG-ALM-PSA-M051-2.00-X	2.00 / 51 / -32	6 11/16"	100 / 50
T-SFT-FG-ALM-PSA-M057-2.25-X	2.25 / 57 / -36	7 3/8"	100 / 50

For the "X" value: use "B" for Bulk Spool size, use "S" for Small Spool size

This Product is Available in Spool Length Only

Weld Backing Tape

1000°F / 537°C: FlameShield™ Easily provides gas tight weld backing purge area and bead consistency



- Typically for welding thin wall stainless steel from one side. Attaches to the backside of the weld area and supports the weld pool, keeps the argon gas surrounding the weld pool.
- Eliminates the need to back-purge.
- Provides a consistent high quality under bead profile.
- The most popular tape is 3" wide with a 1" wide woven DeltaGlass tape strip in the middle.
- Supports single pass welding at currents up to 600 amps without change to the chemistry or metallurgy of the weld.
- Available in Light Duty (80 amp), Medium Duty (160 amp) and Heavy Duty (240 amp) ratings
- All tapes are 3.0" wide and 40 feet long.

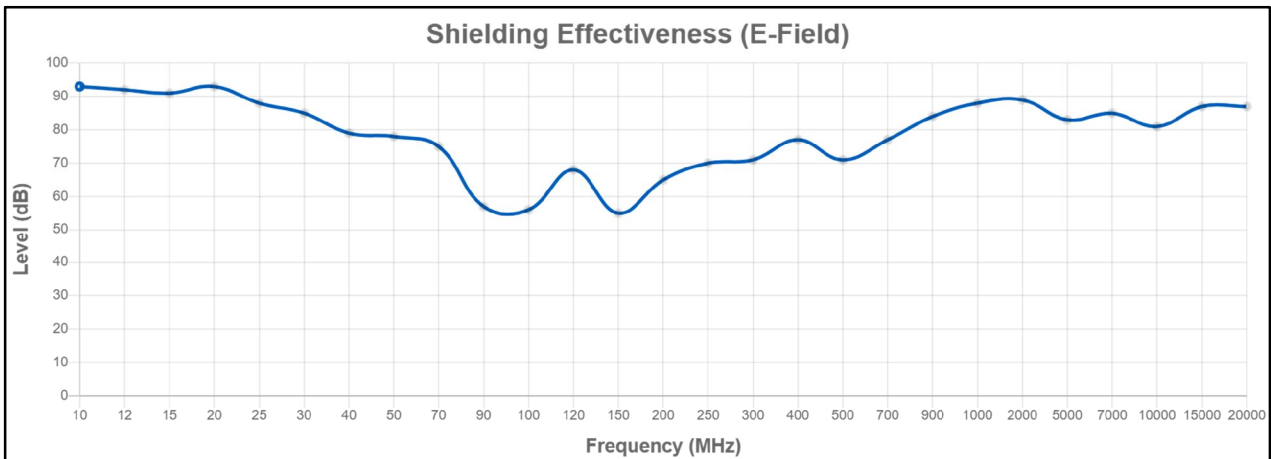
FlameShield™ Weld Backing Tape		
Part Number	Recommended Amp Max	
T-FG-AL-WELD-80	80	
T-FG-AL-WELD-160	160	
T-FG-AL-WELD-240	240	
T-FG-AL-WELD-600	600	

EMI / RFI / EMF Protection Tape - Nickel-Copper coating on Polyester Backing - self adhesive
302°F / 150°C: High Temperature & Radiant Heat Reflective



- Excellent EMI / RFI / EMF shielding tape for wrapping wires and cables.
- Easy to install - has a conductive acrylic adhesive for superior shielding.
- Roll lengths of 25 feet.
- RoHS compliant.
- 0.004" thick + adhesive thickness.
- Minimum order is 2 rolls.
-

Polyester - NiCu EMI / RFI / EMF Protection Wrapping Tape - with self adhesive	
Part Number	Width inch / mm
T-EMIRFI-POLY-NICU-ACL-M025-16	1.00 / 25

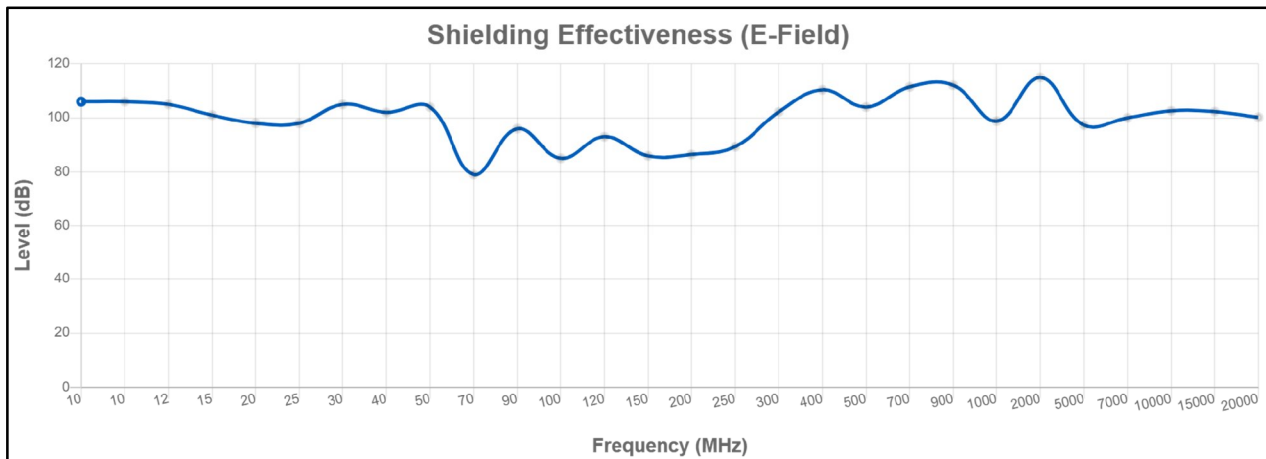


**EMI / RFI / EMF Protection Tape - Tinned Copper Knit Mesh with
 Aluminized Polyester Backing - self adhesive**
 302°F / 150°C: High Temperature & Radiant Heat Reflective



- Excellent EMI / RFI / EMF shielding tape for wrapping wires and cables.
- Tinned copper knit mesh with aluminized polyester support backing.
- Easy to install - has an acrylic adhesive with release liner.
- Roll lengths of 25 feet.
- RoHS compliant.
- 0.004" thick + adhesive thickness.
- Designed for low flex applications as tinned copper knit mesh may over time abrade the support backing in high flex installation

Tinned Copper Mesh EMI / RFI / EMF Protection Wrapping Tape - with self adhesive	
Part Number	Width inch / mm
T-EMIRFI-SnCu-ALACL-M025-16	1.00 / 25
T-EMIRFI-SnCu-ALACL-M051-32	2.00 / 51



EMI / RFI / EMF Protection Tape - Tinned Copper Knit Mesh with Copper Foil Backing - self adhesive

302°F / 150°C: High Temperature & Radiant Heat Reflective



- Excellent EMI / RFI / EMF shielding tape for wrapping wires and cables.
- Tinned copper knit mesh with aluminized polyester support backing.
- Easy to install - has an acrylic adhesive with release liner.
- Roll lengths of 25 feet.
- RoHS compliant.
- 0.004" thick + adhesive thickness.
- Designed for low flex applications as tinned copper knit mesh may over time abrade the support backing in high flex installation

Tinned Copper Mesh EMI / RFI / EMF Protection Wrapping Tape - with self adhesive	
Part Number	Width inch / mm
T-EMIRFI-SnCu-CUACL-M025-16	1.00 / 25
T-EMIRFI-SnCu-CUACL-M051-32	2.00 / 51

Insulated Wrap Tape - InsulSave™

For Pipe / Hose / Cable Protection. High Thermal Insulation Value

Provides burn protection for personnel working near hot pipes & hoses

500°F / 260°C: suitable for steam and process piping/hoses – hot or cold protection and energy savings. Useable from -67°F (-55°C) to +500°F (260°C).

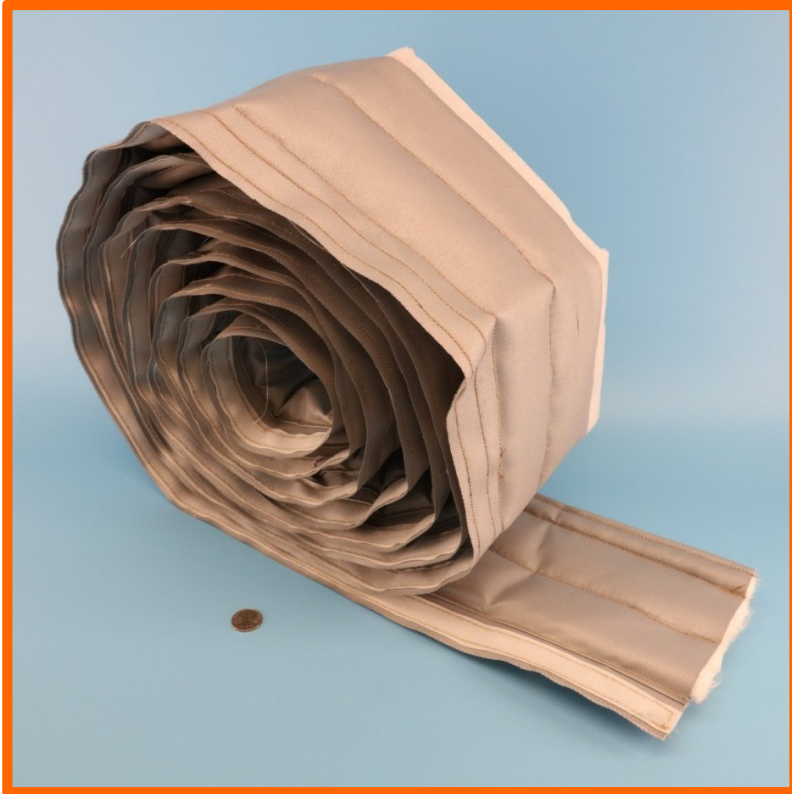


Photo above shows the wrap with liner layer installed



- Typically used to protect short indoor lengths of hot or cold piping and hoses. Excellent for steam and hot process pipes and hoses.
- Provides personnel contact burn protection and energy savings.
- Easy hook and loop closure works in either covering mode: longitudinal or spiral.
- Can be used longitudinally or spirally.
- “Lined” version has a PTFE coated fibreglass support fabric on the inside, protecting the insulation layer. Prevents the insulation fibers from damage if the wrap is removed and re-installed frequently. Also prevents moisture/liquids/contamination of the insulation which is absorbent.
- Available with 1/4” or 1/2” thick insulation layer. Other thicknesses available.
- Excellent for covering pipes with heater trace tapes installed.
- Excellent for labs as one width of wrap can insulate a variety of glass pipe or tube sizes when used in spiral mode.
- Can be used on large size pipes when spiral wrapped or added to other tapes in parallel.
- Insulation layer meets MIL-I-24244. Outer silicone coated fabric meets UL214 and NFPA -701 and is available meeting MIL-I-24244 and NRC 1.36.
- The standard hook and loop closure (rated to +250°F) is positioned above the contact point by the insulation layer thickness, allowing it to be used with hotter contact temperatures. Nomex® (rated to +350°F) and Stainless Steel hook and loop is available as an option.

The wrap may be used longitudinally, or spiral wrapped. In these photos, the wrap has no liner installed.

**Insulated Wrap Tape - InsulSave™ (Continued)
For Pipe / Hose / Cable Protection. High Thermal Insulation Value
Provides burn protection for personnel working near hot pipes & hoses**

500°F / 260°C: suitable for steam and process piping/hoses – hot or cold protection and energy savings. Useable from -67°F (-55°C) to +500°F (260°C)



InsulSave™ Insulated Pipe Wrap Tape - Roll Length 20 feet with Nylon hook and loop closure. Nomex® hook & loop available. Stainless Steel hook and loop available.	
Part Number	Nominal Pipe Size / Actual Pipe OD (when used lengthwise)
FAB-INSULSAVE-ID025-X-Y-Z	¼" / 0.54" (Liner not available in this size)
FAB-INSULSAVE-ID050-X-Y-Z	½" / 0.84"
FAB-INSULSAVE-ID075-X-Y-Z	¾" / 1"
FAB-INSULSAVE-ID100-X-Y-Z	1" / 1.31"
FAB-INSULSAVE-ID150-X-Y-Z	1 ½" / 1.9"
FAB-INSULSAVE-ID200-X-Y-Z	2" / 2.375"
FAB-INSULSAVE-ID250-X-Y-Z	2 ½" / 2.87"
FAB-INSULSAVE-ID300-X-Y-Z	3" / 3.5"
FAB-INSULSAVE-ID350-X-Y-Z	3 ½" / 4"
FAB-INSULSAVE-ID400-X-Y-Z	4" / 4.5"

Other sizes and insulation thickness versions available – please call

This product will reduce the surface temperature of the wrap to a level which depends on the temperature of the inner pipe or hose and the thickness of the insulation layer. For thinner insulation layers, the surface temperature will be higher than for thicker layers. The standard nylon hook and loop closure can be used for surface temperatures up to 250°F continuous (300°F for 1 hour – melts at 450°F). For higher temperatures a Nomex® hook and loop closure can be used which can be used up to 350°F continuous. For temperatures between 350°F and 500°F a stainless steel hook and loop is available or the wrap can be used without hook and loop closure and instead use our free-end stainless steel cable ties to secure it. To approximately determine the surface temperature please see the next page in the catalog.

This is a fabricated item: please allow 5 days for production

For the "X" value, use:

"25" for .25" thick insulation; "50" for .50" thick insulation

For the "Y" value, use: "NL" for No Liner; "WL" for With Liner

For the "Z" value, use: "NY" for Nylon; "NM" for Nomex; "SS" for Stainless Steel



Determining if a product can be used to protect personnel from hot pipe and hose contact burns

Under OSHA requirements, there is no specific temperature that a pipe or hose or other hot item must be at or below to consider it safe for contact. The OSHA regulations state that steam and hot water pipes shall be covered with insulation or be guarded.

It has generally been accepted by workplace health and safety professionals that metallic items that are above 140°F / 60°C should be protected in a manner so that accidental contact will not produce a burn. Therefore, a target temperature of 140°F / 60°C and below is desirable for metallic objects. Therefore, one can also think that any insulation system on a hot pipe or hose should therefore also have a maximum surface temperature of 140°F / 60°C.

There is a standard, UL2200, which does provide some specific temperature numbers for use with engine driven generators, and of interest they differentiate metallic from non-metallic items. It is important to remember that metals conduct heat, and most thermal protection systems (insulation, fabrics, tapes, etc.), do not. This means that the insulation system surface can be “hotter” than a metal surface and still be “touch safe”.

In conclusion, the maximum temperature that the surface of an insulation system can be at should be below 203°F / 95°C for accidental or casual brush-by contact.

Location	Composition of surface ^a	
	Metal	Nonmetallic
Handles or knobs that are grasped for holding	50°C (122°F)	60°C (140°F)
Handles or knobs that are contacted and do not involve holding; and other surfaces subject to contact and user maintenance	60°C (140°F)	85°C (185°F)
Surfaces subject to casual contact ^a	70°C (158°F)	95°C (203°F)

^a A handle, knob, or similar device, made of a material other than metal that is plated or clad with metal having a thickness of 0.005 inch (0.127 mm) or less is judged as a nonmetallic part.

^b See the Exception to 38.3.

The information on the next page provides more information to help determine what thickness of insulation may result in a pipe wrap that will provide the desired temperature drop from the surface of the pipe to the surface of the pipe wrap.

The ½” thick insulation can provide, for example, a suitable drop for pipes operating up to 500°F / 260°C and that the standard nylon hook and loop is suitable at the surface temperature of 203°F / 95°C.

Thinner ¼” insulation would provide less of a temperature differential while the ¾” insulation would provide more differential. This information should only be used as a guideline and every installation will be different. The information presented should help you to determine if you are on the correct path to determining the best solution to meet your needs.

Custom insulation products can be fabricated with insulation thickness up to 2” in a variety of materials providing protection and insulation value up to 2000°F / 1100°C.

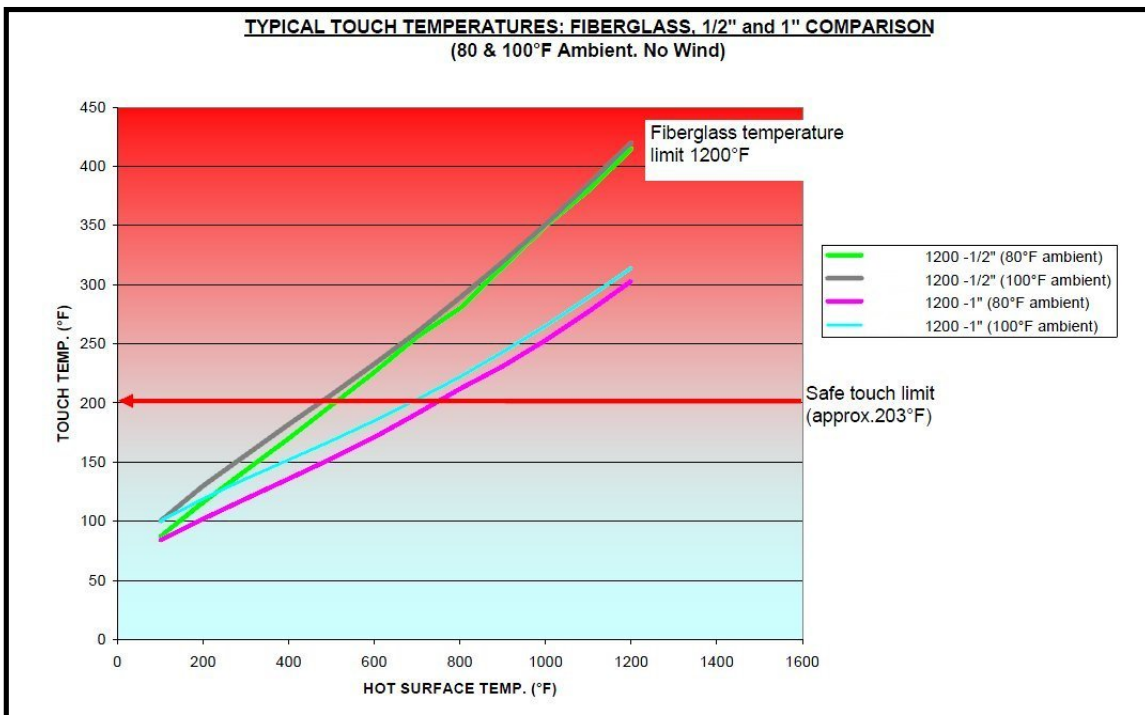


InsulSave™ Insulated Wrap Tape Thermal Profile Information (Continued)
500°F / 260°C: InsulSave™ Easy to use pipe wrap for steam and process piping/hoses
 Hot or cold protection and energy savings.
 Useable from -67°F (-55°C) to +500°F (260°C)

Insulation Properties of the Insulated Wrap Tape

Physical Properties		Properties of Fiberglass "E" Glass	
Service Temperature	Up to 1200°F	Physical/Mechanical Properties of Glass Fibers	
Fire Resistance	Incombustible	Specific Gravity	2.60 grams/cc.
Density (Approximate)	9 lbs./cu. ft.	Density	0.094 lbs./cu. in.
Moisture Absorption	Negligible	Tensile Strength (PSI x 10 ³ @ 70°F)	500 lbs.
Thermal Conductivity ("K" value at 9.1 lbs./cu. ft.):		Modulus of Elasticity (PSI x 10 @ 72°F)	10.5 lbs.
Mean Temperature	"K" - btu/sq. ft./hr./°F/in.	After Heating (PSI x 10 @ 1000°F)	11.8 lbs.
300°F	0.40	Elongation @ 72°F	4.8%
500°F	0.50	Thermal Properties of Bulk Glass	
700°F	0.65	Softening Point	1500°F
Thermal Conductivity (btu/sq ft/hr/°F/in)		Strain Point	1100°F
		Annealing Point	1200°F
Glass Filament Tensiles (at various temperatures)		Electrical Properties of Bulk Glass	
		Dielectric Constant	
		1 MHz @ 72°F	6.33
		10kHz @ 72°F	6.13
		Power Factor	
		1MHz @ 72°F	0.001
		10kHz @ 72°F	0.0039

Note: The physical and performance properties cited in this literature have been derived in tests conducted by various fiber companies.
 Tests have been conducted on both fiber and fabrics woven with bulked glass fiber.
 Reference to U.S. Government specification values as well as information provided on certain end uses which currently use bulked glass are presented for the information of potential customers in determining the potential suitability of these products for their own applications. No claims are made as to the accuracy or applicability of the test methods employed or the results derived therefrom.
Important Cautionary Note: Items of protective equipment manufactured from fiberglass fabrics such as aprons, gloves, mittens, etc. should be labeled to show the maximum short-term and continuous-exposure temperature limits established in accordance with the standard specifications applicable to the item of equipment being offered.



FlangeStik™ Pressure Sensitive Adhesive Spray for Tape Mounting

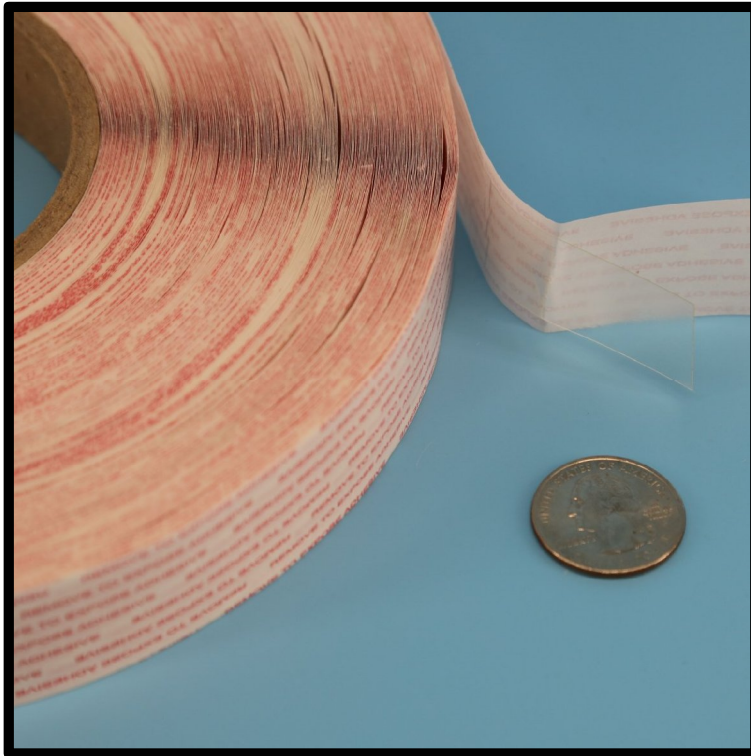


- Covers approximately 90 to 100 square feet. (enough for mounting a quantity of five 2" wide x 100 foot tapes for example)
- Used for temporary mounting of tapes onto flanges, gasket channels or contact areas while permanent hardware is installed.
- Available in butyl rubber adhesive or silicone adhesive.
- Greatly assists in the installation of tapes and fabrics onto metal and non-metal surfaces.
- 340g (12oz) net contents.
- Ships ground only.

FlangeStik™ Pressure Sensitive Adhesive Spray for Tape and Fabric Mounting	
Part Number	Adhesive
AD-PSA-BR-340-12	Butyl rubber
AD-PSA-US-340-12	Silicone

Use caution with silicone adhesives – some manufacturing locations, especially automotive paint booth and paint shops do not allow silicones into their facilities.

FlangeStik™ Pressure Sensitive Adhesive Mounting Tape



- 1" wide backing paper with 0.75" wide adhesive mounting tape PSA layer.
- Backing paper is white; PSA film is transparent.
- Adhesive is hot melt rubber based.
- Used for temporary mounting of tapes onto flanges, gasket channels or contact areas while permanent hardware is installed.
- Greatly assists in the installation of tapes and fabrics onto metal and non-metal surfaces.
- Roll lengths are 1600 and 100 feet.
- Total thickness is 0.0059". Liner is 0.0028" thick. Adhesive film is 0.0031" thick
- Service temperature is 32°F to 158°F. Should be applied at 50°F to 122°F.

FlangeStik™ Pressure Sensitive Mounting Tape		
Part Number	Adhesive	Roll Length
T-AD-PSA-TAPE-1600	Butyl rubber	1600 feet
T-AD-PSA-TAPE-100	Butyl rubber	100 feet

BoltHole™ / LadderTape™ / BoltLine™ Drop-Warp style tapes

Specifically designed for flange and access panel bolt lines.
Fiberglass, Prosil, Silica & Ceramic Materials

1200°F / 648°C to 2000°F / 1093°C



These tapes will not burn and will withstand continuous exposure to temperatures ranging from 1200°F / 648°C to 2000°F / 1093°C .

Offered in both Knit and Woven construction. Knitted tapes are extremely flexible and highly conformable, much more so than the same dimension tape in a woven style.

Fastening bolts pass easily through the center of the tape where some of the warp yarns are omitted during tape manufacturing.

A Heat Treated version of this product is available – please enquire.

Tapes with PSA available for ease of installation.

Very High Temperature & Heat Resistant BoltHole™ / LadderTape™ / Drop-Warp style - <i>Premium Grades</i>							
1/16" / 1.5 mm Thick / Drop-Warp - BoltHole™ - LadderTape™							
Part Number	Width inch / mm		WFG 1200°F	WP 1350°F	WFGVC 1500°F	WS 1800°F	WC 2000°F
	T-BHLT-1.000-M025-A-X	1"	25	Avail	Avail	Avail	Avail
T-BHLT-1.250-M032-A-X	1 1/4"	32	Avail	NA	Avail	NA	NA
T-BHLT-1.500-M038-A-X	1 1/2"	38	Avail	Avail	Avail	Avail	NA
T-BHLT-1.750-M044-A-X	1 3/4"	44	NA	NA	NA	NA	NA
T-BHLT-2.000-M051-A-X	2"	51	Avail	Avail	Avail	Avail	Avail
T-BHLT-2.500-M064-A-X	2 1/2"	64	Avail	Avail	Avail	NA	NA
T-BHLT-3.000-M076-A-X	3"	76	Avail	Avail	Avail	Avail	Avail
T-BHLT-4.000-M102-A-X	4"	102	Avail	Avail	Avail	Avail	Avail
T-BHLT-5.000-M127-A-X	5"	127	Avail	Avail	Avail	NA	NA

Each roll contains 100 feet / 30 metres.

For the "X" value specify: either
"WFG" for Woven Fiberglass, "WP" for Prosil,
"WFGVC" for Vermiculite Coated Fiberglass, "WS" for Silica, "WC" for Ceramic

This Product is NOT Available By-The-Foot – Full Rolls Only

BoltHole™ / LadderTape™ (Continued)

Very High Temperature & Heat Resistant BoltHole™ / Drop-Warp / LadderTape™ - Premium Grades								
1/8" / 3 mm Thick / Drop-Warp - BoltHole™ - LadderTape™								
Part Number	Width inch / mm		KFG	WFG	WP	WFGVC	WS	WC
			1200°F	1200°F	1350°F	1500°F	1800°F	2000°F
T-BHLT-1.000-M025-B-X	1"	25	Avail	Avail	Avail	Avail	Avail	Avail
T-BHLT-1.250-M032-B-X	1 1/4"	32	Avail	Avail	NA	Avail	NA	NA
T-BHLT-1.500-M038-B-X	1 1/2"	38	Avail	Avail	Avail	Avail	Avail	Avail
T-BHLT-1.750-M044-B-X	1 3/4"	44	Avail	NA	NA	NA	NA	NA
T-BHLT-2.000-M051-B-X	2"	51	Avail	Avail	Avail	Avail	Avail	Avail
T-BHLT-2.500-M064-B-X	2 1/2"	64	Avail	Avail	Avail	Avail	NA	NA
T-BHLT-3.000-M076-B-X	3"	76	Avail	Avail	Avail	Avail	Avail	Avail
T-BHLT-4.000-M102-B-X	4"	102	Avail	Avail	Avail	Avail	Avail	Avail
T-BHLT-5.000-M127-B-X	5"	127	Avail	Avail	Avail	Avail	NA	NA

Each roll contains 100 feet / 30 metres.

For the "X" value specify: either
"KF" for Knit Fiberglass, "WF" for Woven Fiberglass, "WP" for Prosil,
"FGVC" for Vermiculite Coated Fiberglass, "S" for Silica, "C" for Ceramic

This Product is NOT Available By-The-Foot – Full Rolls Only

Very High Temperature & Heat Resistant BoltHole™ / Drop-Warp / LadderTape™ - Premium Grades								
1/4" / 6 mm Thick / Drop-Warp - BoltHole™ - LadderTape™								
Part Number	Width inch / mm		WF	WP	FGVC	S	C	
			1200°F	1350°F	1500°F	1800°F	2000°F	
T-BHLT-1.000-M025-C-X	1"	25	Avail	Avail	Avail	Avail	Avail	
T-BHLT-1.250-M032-C-X	1 1/4"	32	Avail	NA	Avail	NA	NA	
T-BHLT-1.500-M038-C-X	1 1/2"	38	Avail	Avail	Avail	Avail	NA	
T-BHLT-1.750-M044-C-X	1 3/4"	44	NA	NA	NA	NA	NA	
T-BHLT-2.000-M051-C-X	2"	51	Avail	Avail	Avail	Avail	Avail	
T-BHLT-2.500-M064-C-X	2 1/2"	64	Avail	Avail	Avail	NA	NA	
T-BHLT-3.000-M076-C-X	3"	76	Avail	Avail	Avail	Avail	Avail	
T-BHLT-4.000-M102-C-X	4"	102	Avail	Avail	Avail	Avail	Avail	
T-BHLT-5.000-M127-C-X	5"	127	Avail	Avail	Avail	NA	NA	

To aid in mounting this tape onto surfaces, FlangeStik™ pressure sensitive adhesive spray can be used to place the tape in situ temporarily. Permanent fasteners or grab strips should be installed prior to heating of the area sprayed above 200°F. The adhesive will "smoke-off" at elevated temperatures.



Thermal, EMI/RFI & Abrasion Protection Materials

Fax Orders: 610-340-9054 Telephone Orders: 610-906-3549 orders@abthermal.com

TadpoleTape™

500°F / 260°C Silicone Rubber Coated Stainless Mesh TadpoleTape™	2-154
320°F / 160°C Aramid High Strength TadpoleTape™	2-155
1200°F / 648°C Precision Fiberglass TadpoleTape™	2-156
1200°F / 648°C Fiberglass Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core	2-157
1350°F / 732°C ProSil™ Silica/Glass Blended Fabric Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core	2-158
1350°F / 732°C ProSilWire™ Silica/Glass Blended Fabric with wire insert Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core	2-159
1500°F / 815°C Fiberglass with Vermiculite Coating Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core	2-160
1800°F / 982°C InSilMax™ Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core	2-161
2000°F / 1093°C CerMax™ Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core	2-162

Tadpoles with Specialized Coatings

550°F / 287°C Fiberglass with PTFE Coating Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core	2-164
550°F / 287°C Rubberized Fiberglass Tacky Cloth Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core	2-166
550°F / 287°C Expanded PTFE Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core	2-167
TT WearGuard	2-168

CUSTOM SIZED TADPOLE GASKET TAPE

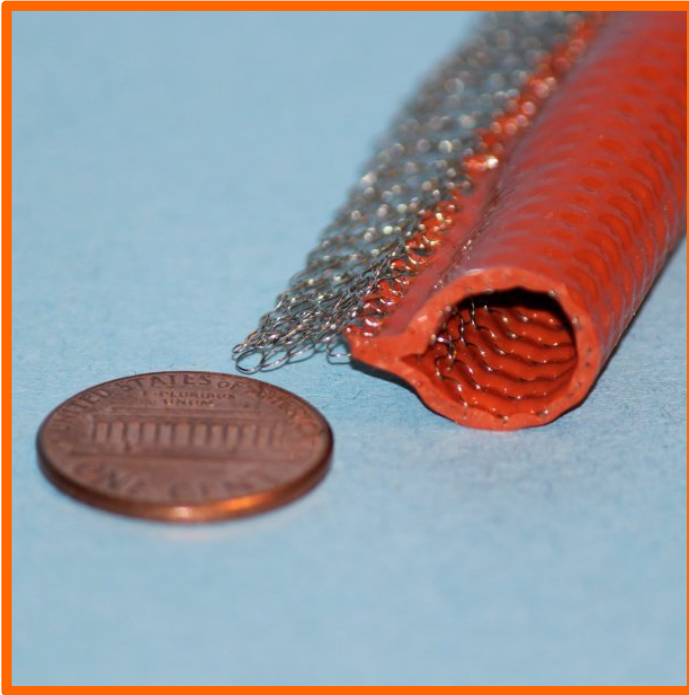
The catalogue pages for tadpole gasket tapes show our line of standard materials and sizes that are made by our fabrication shop.

Our tadpole gasket fabrication shop can manufacture tadpoles of almost size and shape using our standard materials, or from other materials not normally used.

Please feel free to request a quote; either a description, or a drawing, or a photo is useful. If you would like us to match materials to an existing tadpole that needs replacement, then either a detailed close-up photo or a sample would be very useful.

Please send quote requests to info@abthermal.com or call the order desk at 610-906-3549.

High Temperature Silicone Rubber Coated Stainless Steel Mesh Tadpole Gasket Seals 500°F / 260°C



Can be used for applications up to 500°F / 260°C continuous rating with weld splatter / molten metal splash protection. These silicone rubber products provide excellent cold temperature performance with flexibility to -76°C for refrigeration and cryogenic applications.

Excellent sealing against liquids and gases.

TT-SS-SR-0.937-0.437 is a 15/16" overall width tadpole with a 7/16" OD bulb. It is a common tadpole to use in cryogenic freezing access doors, such as food processing freezing and packaging lines.

High Temperature & Heat Resistant Silicone Rubber Tadpole Gasket Tape	
Part Number	Feet / Metres per Spool
TT-SS-SR-0.937W-0.437B	100 / 30.48

Aramid (Aromatic Polyamide) Tadpole Tape with Aramid Rope or Wire Mesh Bulb Core

320°F / 160°C TadpoleTape™ High Temperature, Heat Resistant & High Strength



Made from our aramid fabrics and ropes, and metallic mesh ropes, this is a soft and resilient gasket material for effective sealing on light metal flanges and where limited bolting force is available – and where doors and other closures rest on the bulb. The aramid fabric is very abrasion and cut resistant, ideal for high cycle applications. Not suitable for applications involving prolonged sunlight or UV exposure.

Available by-the-foot and standard 50 and 100 feet rolls.

Kevlar® is a popular brand name of an Aramid polyamide material from DuPont. Our Aramid is not a DuPont product.

This product is highly flexible and conformable.

TadpoleTape™ High Temperature & Heat Resistant Aramid		
Rope Core	Stainless Steel or Inconel 600 Mesh Core	Overall Width in / mm
Part Number	Part Number	
TT-A-RC-M025-16-X	TT-A-MC-M025-16-X-Z	1.00 / 25
TT-A-RC-M032-20-X	TT-A-MC-M032-20-X-Z	1.25 / 32
TT-A-RC-M038-24-X	TT-A-MC-M038-24-X-Z	1.50 / 38
TT-A-RC-M044-28-X	TT-A-MC-M044-28-X-Z	1.75 / 44
TT-A-RC-M051-32-X	TT-A-MC-M051-32-X-Z	2.00 / 51
TT-A-RC-M063-40-X	TT-A-MC-M063-40-X-Z	2.50 / 63
TT-A-RC-M076-48-X	TT-A-MC-M076-48-X-Z	3.00 / 76

For the “X” value: specify either A, B, C, D, or E

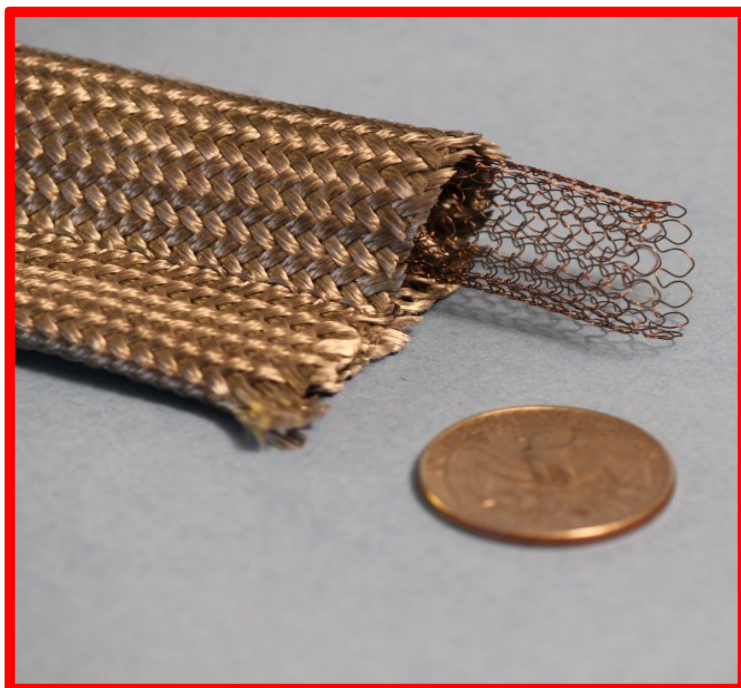
“A” = 3/8” / .375” / 7.9mm; “B” = 1/2” / .500” / 13mm; “C” = 5/8” / .625” / 15.8mm; “D” = 3/4” / .750” / 19mm; “E” = 1” / 1.000” / 25mm

For the “Z” value: specify “S” for Stainless Steel or “I” for Inconel

NOTE: 1.0” OAW not available with 5/8, 3/4 or 1” bulb. 1.25” OAW not available with 1” bulb. 1.5” OAW not available with 1” bulb

OTHER CUSTOM SIZES & SHAPES AVAILABLE – PLEASE INQUIRE

Precision Fiberglass Tadpole Gasket Tape
Oven / Stove / Boiler / Kiln / Paint Booth / Clean Room Door Seals
1200°F / 648°C TadpoleTape™ Very High Temperature & Heat Resistant



- Precision Tadpole with consistent dimension of bulb and tail.
- Small tail is hollow, and can be supplied filled with a cord or rope to use as a mounting point with slotted metalwork.
- High pushback 304 stainless steel hollow sleeve inside of bulb provides excellent pushback with low compression set.
- Heat treated to result in an extremely clean surface that sheds extremely few fibers and no organic odors. Suitable for paint booth and food service applications.
- Fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1200°F / 648°C.
- This product resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable. The base fiber is manufactured to the specifications of ASTM D-578, ASTM committee D13, and subcommittee D13.18.

- Two sizes available:
- 1) 1 3/8 inch OAW (Over All Width) with a 5/8" Bulb with hollow 304 stainless steel mesh core bulb material, with 3/4" tail. The knitted wire mesh core provides excellent compression and pushback and high cycle life. ID of the hollow metal mesh bulb core is 1/2 inch. Weight is 1.75oz per foot.
 - 2) 1 1/4 inch OAW (Over All Width) with a 1/2" Bulb with hollow 304 stainless steel mesh core bulb material, with 3/4" tail. The knitted wire mesh core provides excellent compression and pushback and high cycle life. ID of the hollow metal mesh bulb core is 7/16 inch. Weight is 1.20oz per foot.

Very High Temperature & Heat Resistant Heat Treated Fiberglass Precision Tadpole Gasket Tape with Hollow Stainless Steel Knit Mesh Core		
Part Number	Bulb Size	Feet / Metres per coil
TT-FG-HSSMC-M013-08-25-X	1/2"	25 / 7.6
TT-FG HSSMC-M013-08-50-X	1/2"	50 / 15.2
TT-FG HSSMC-M013-08-250-X	1/2"	250 / 76.2
TT-FG HSSMC-M013-08-BTF-X	1/2"	By The Foot
TT-FG-HSSMC-M016-10-25-X	5/8"	25 / 7.6
TT-FG HSSMC-M016-10-50-X	5/8"	50 / 15.2
TT-FG HSSMC-M016-10-250-X	5/8"	250 / 76.2
TT-FG HSSMC-M016-10-BTF-X	5/8"	By The Foot

Genuine TadpoleTape™ gasket is designed to provide a high temperature thermal seal in industrial, laboratory and commercial ovens and dryers. Used on residential self cleaning ovens as a door gasket seal.

Custom sized tadpole gasket tapes are available

Fiberglass Tadpole Tape with Fiberglass Rope or Wire Mesh Bulb Core 1200°F / 648°C TadpoleTape™ Very High Temperature & Heat Resistant



Made from our heavy duty fiberglass fabrics and ropes, and metallic mesh ropes, this is a soft and resilient gasket material for effective sealing on light metal flanges and where limited bolting force is available – and where doors and other closures rest on the bulb.

Available by-the-foot and standard 50 and 100 feet rolls.

A Heat Treated version of this product is available for clean room door sealing – please enquire

Fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1200°F / 648°C. This product resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

TadpoleTape™ Very High Temperature & Heat Resistant Fiberglass		
Rope Core	Stainless Steel or Inconel 600 Mesh Core	Over All Width in / mm
Part Number	Part Number	
TT-FG-RC-M025-16-X	TT-FG-MC-M025-16-X-Z	1.00 / 25
TT-FG-RC-M032-20-X	TT-FG-MC-M032-20-X-Z	1.25 / 32
TT-FG-RC-M038-24-X	TT-FG-MC-M038-24-X-Z	1.50 / 38
TT-FG-RC-M044-28-X	TT-FG-MC-M044-28-X-Z	1.75 / 44
TT-FG-RC-M051-32-X	TT-FG-MC-M051-32-X-Z	2.00 / 51
TT-FG-RC-M063-40-X	TT-FG-MC-M063-40-X-Z	2.50 / 63
TT-FG-RC-M076-48-X	TT-FG-MC-M076-48-X-Z	3.00 / 76

For the “X” value: specify either A, B, C, D, or E

“A” = 3/8" / .375" / 7.9mm; “B” = 1/2" / .500" / 13mm; “C” = 5/8" / .625" / 15.8mm; “D” = 3/4" / .750" / 19mm; “E” = 1" / 1.000" / 25mm

For the “Z” value: specify “S” for Stainless Steel or “I” for Inconel

NOTE: 1.0" OAW not available with 5/8, 3/4 or 1" bulb. 1.25" OAW not available with 1" bulb. 1.5" OAW not available with 1" bulb

OTHER CUSTOM SIZES & SHAPES AVAILABLE – PLEASE INQUIRE

ProSil™ Silica/Glass Blended Fabric Tadpole Tape with Rope or Wire Mesh Core 1350°F / 732°C TadpoleTape™ High Temperature & Heat Resistant



Made from our proprietary blended silica/fiberglass heavy duty fabric, this is a soft and resilient gasket material for effective sealing on metal flanges and where limited bolting force is available – and where doors and other closures rest on the bulb.

Outperforms standard fiberglass tadpole tapes in higher temperature applications. Remains soft and workable at temperatures where fiberglass tapes become brittle

Available by-the-foot and standard 50 and 100 feet rolls.

1350°F / 732°C continuous rating:
Highly flexible and conformable.

TadpoleTape™ Very High Temperature & Heat Resistant ProSil™ Blended Silica/Glass		
Rope Core	Stainless Steel or Inconel 600 Mesh Core	Overall Width in / mm
Part Number	Part Number	
TT-FGS-RC-M025-16-X	TT-FGS-MC-M025-16-X-Z	1.00 / 25
TT-FGS-RC-M032-20-X	TT-FGS-MC-M032-20-X-Z	1.25 / 32
TT-FGS-RC-M038-24-X	TT-FGS-MC-M038-24-X-Z	1.50 / 38
TT-FGS-RC-M044-28-X	TT-FGS-MC-M044-28-X-Z	1.75 / 44
TT-FGS-RC-M051-32-X	TT-FGS-MC-M051-32-X-Z	2.00 / 51
TT-FGS-RC-M063-40-X	TT-FGS-MC-M063-40-X-Z	2.50 / 63
TT-FGS-RC-M076-48-X	TT-FGS-MC-M076-48-X-Z	3.00 / 76

For the “X” value: specify either A, B, C, D, or E

“A” = 3/8” / .375” / 7.9mm; “B” = 1/2” / .500” / 13mm; “C” = 5/8” / .625” / 15.8mm; “D” = 3/4” / .750” / 19mm; “E” = 1” / 1.000” / 25mm

For the “Z” value: specify “S” for Stainless Steel or “I” for Inconel

NOTE: 1.0” OAW not available with 5/8, 3/4 or 1” bulb. 1.25” OAW not available with 1” bulb. 1.5” OAW not available with 1

OTHER CUSTOM SIZES & SHAPES AVAILABLE – PLEASE INQUIRE

**ProSilWire™ Silica/Glass Blended Fabric with Wire Insert
Tadpole Tape with Rope or Wire Mesh Core
1350°F / 732°C TadpoleTape™ High Temperature & Heat Resistant**



Made from our proprietary blended silica/fiberglass heavy duty fabric, this is a soft and resilient gasket material for effective sealing on metal flanges and where limited bolting force is available – and where doors and other closures rest on the bulb.

The fabric has a wire insert for additional strength and dimensional stability.

Outperforms standard fiberglass tadpole tapes in higher temperature applications. Remains soft and workable at temperatures where fiberglass tapes become brittle.

Available by-the-foot and standard 50 and 100 feet rolls.

1300°F / 704°C continuous rating:
Highly flexible and conformable.

TadpoleTape™ Very High Temperature & Heat Resistant ProSilWire™ Blended Silica/Glass Wire Insert		
Rope Core	Stainless Steel or Inconel 600 Mesh Core	Overall Width in / mm
Part Number	Part Number	
TT-FGSWI-RC-M025-16-X	TT-FGSWI-MC-M025-16-X-Z	1.00 / 25
TT-FGSWI-RC-M032-20-X	TT-FGSWI-MC-M032-20-X-Z	1.25 / 32
TT-FGSWI-RC-M038-24-X	TT-FGSWI-MC-M038-24-X-Z	1.50 / 38
TT-FGSWI-RC-M044-28-X	TT-FGSWI-MC-M044-28-X-Z	1.75 / 44
TT-FGSWI-RC-M051-32-X	TT-FGSWI-MC-M051-32-X-Z	2.00 / 51
TT-FGSWI-RC-M063-40-X	TT-FGSWI-MC-M063-40-X-Z	2.50 / 63
TT-FGSWI-RC-M076-48-X	TT-FGSWI-MC-M076-48-X-Z	3.00 / 76

For the “X” value: specify either A, B, C, D, or E

“A” = 3/8” / .375” / 7.9mm; “B” = 1/2” / .500” / 13mm; “C” = 5/8” / .625” / 15.8mm; “D” = 3/4” / .750” / 19mm; “E” = 1” / 1.000” / 25mm

For the “Z” value: specify “S” for Stainless Steel or “I” for Inconel

NOTE: 1.0” OAW not available with 5/8, 3/4 or 1” bulb. 1.25” OAW not available with 1” bulb. 1.5” OAW not available with 1” bulb

OTHER CUSTOM SIZES & SHAPES AVAILABLE – PLEASE INQUIRE

Vermiculite Coated Fiberglass Tadpole Tape / Rope or Wire Mesh Core 1500°F / 815°C High Temperature & Heat Resistant



FlameShield™ 1500 Made from our heavy duty fabrics and ropes/wire mesh; this is a soft and resilient gasket material for effective sealing on light metal flanges and where limited bolting force is available – and where doors and other closures rest on the bulb of the packing.

Available by-the-foot and standard 50 and 100 feet rolls.

1500°F / 815°C continuous rating. Certified to meet the requirements of ASTM E 162, ASTM E 662 & SMP 800-C for surface flammability, smoke and toxic gas generation.

Fabricated from E fiberglass that will not burn. This product resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable. Meets Federal Railroad Administration requirements for surface flammability and rate of smoke generation.

TadpoleTape™ Very High Temperature & Heat Resistant Vermiculite Coated Fiberglass		
Rope Core	Stainless Steel or Inconel 600 Mesh Core	Overall Width in / mm
Part Number	Part Number	
TT-FGVC-RC-M025-16-X	TT-FGVC-MC-M025-16-X-Z	1.00 / 25
TT-FGVC-RC-M032-20-X	TT-FGVC-MC-M032-20-X-Z	1.25 / 32
TT-FGVC-RC-M038-24-X	TT-FGVC-MC-M038-24-X-Z	1.50 / 38
TT-FGVC-RC-M044-28-X	TT-FGVC-MC-M044-28-X-Z	1.75 / 44
TT-FGVC-RC-M051-32-X	TT-FGVC-MC-M051-32-X-Z	2.00 / 51
TT-FGVC-RC-M063-40-X	TT-FGVC-MC-M063-40-X-Z	2.50 / 63
TT-FGVC-RC-M076-48-X	TT-FGVC-MC-M076-48-X-Z	3.00 / 76

For the “X” value: specify either A, B, C, D, or E

“A” = 3/8" / .375" / 7.9mm; “B” = 1/2" / .500" / 13mm; “C” = 5/8" / .625" / 15.8mm; “D” = 3/4" / .750" / 19mm; “E” = 1" / 1.000" / 25mm

For the “Z” value: specify “S” for Stainless Steel or “I” for Inconel

NOTE: 1.0" OAW not available with 5/8, 3/4 or 1" bulb. 1.25" OAW not available with 1" bulb. 1.5" OAW not available with 1" bulb

OTHER CUSTOM SIZES & SHAPES AVAILABLE – PLEASE INQUIRE

Silica Tadpole Tape With Rope or Wire Mesh Core 1800°F / 982°C InSilMax™ High Temperature, Heat & Flame Resistant



InSilMax™ TadpoleTape™ made from our heavy duty silica fabrics for the cover material and ropes or wire mesh for the bulb materials; this is a soft and resilient gasket material for effective sealing on light metal flanges and where limited bolting force may be available; doors and access covers rest on the bulb. Also used in butterfly valve installations.

The tail of the tadpole is typically fastened with metal fasteners or with grab strips.

Available by-the-foot and standard 50 and 100 feet rolls.

Intermittent operation to 1900°F/1037°C.

TadpoleTape™ Very High Temperature & Heat Resistant InSilMax™ Silica		
Rope Core	Stainless Steel or Inconel 600 Mesh Core	Overall Width in / mm
Part Number	Part Number	
TT-S-RC-M025-16-X	TT-S-MC-M025-16-X-Z	1.00 / 25
TT-S-RC-M032-20-X	TT-S-MC-M032-20-X-Z	1.25 / 32
TT-S-RC-M038-24-X	TT-S-MC-M038-24-X-Z	1.50 / 38
TT-S-RC-M044-28-X	TT-S-MC-M044-28-X-Z	1.75 / 44
TT-S-RC-M051-32-X	TT-S-MC-M051-32-X-Z	2.00 / 51
TT-S-RC-M063-40-X	TT-S-MC-M063-40-X-Z	2.50 / 63
TT-S-RC-M076-48-X	TT-S-MC-M076-48-X-Z	3.00 / 76

For the “X” value: specify either A, B, C, D, or E

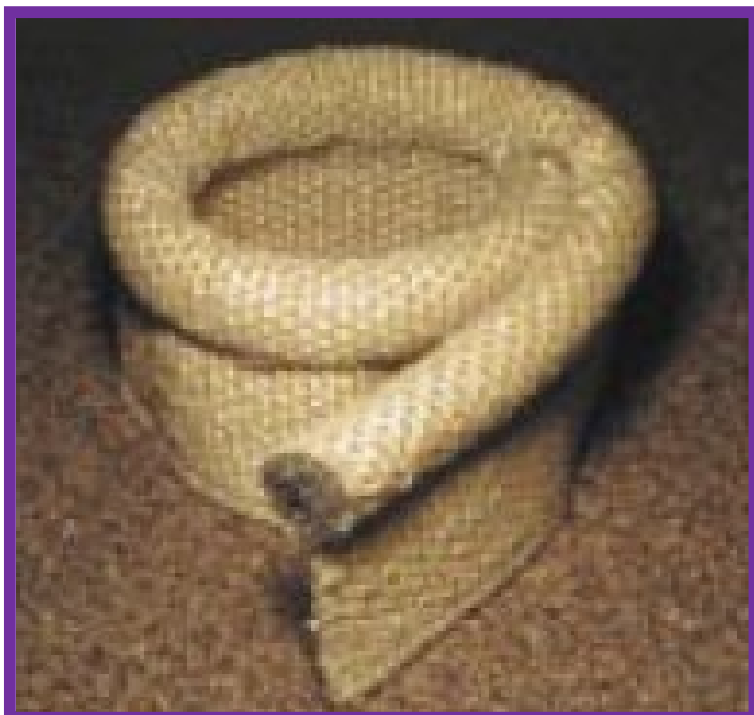
“A” = 3/8” / .375” / 7.9mm; “B” = 1/2” / .500” / 13mm; “C” = 5/8” / .625” / 15.8mm; “D” = 3/4” / .750” / 19mm; “E” = 1” / 1.000” / 25mm

For the “Z” value: specify “S” for Stainless Steel or “I” for Inconel

NOTE: 1.0” OAW not available with 5/8, 3/4 or 1” bulb. 1.25” OAW not available with 1” bulb. 1.5” OAW not available with 1” bulb

OTHER CUSTOM SIZES & SHAPES AVAILABLE – PLEASE INQUIRE

Ceramic Fiber Tadpole Tape With Rope or Wire Mesh Core 2000°F / 1093°C CerMax™ TadpoleTape™ Extreme High Temperature Heat Flame Resistant



Made from our highest temperature ceramic fiber inconel wire inserted materials, this is a soft and resilient gasket material for effective sealing on metal flanges and where limited bolting force is available – and where doors and other closures rest on the bulb of the tape.

Available by-the-foot and standard 50 and 100 feet rolls.

Can be used at 2000°F / 1093°C continuously.

TadpoleTape™ Very High Temperature & Heat Resistant CerMax™ Ceramic		
Rope Core	Stainless Steel or Inconel 600 Mesh Core	Over All Width in / mm
Part Number	Part Number	
TT-C-RC-M025-16-X	TT-C-MC-M025-16-X-Z	1.00 / 25
TT-C-RC-M032-20-X	TT-C-MC-M032-20-X-Z	1.25 / 32
TT-C-RC-M038-24-X	TT-C-MC-M038-24-X-Z	1.50 / 38
TT-C-RC-M044-28-X	TT-C-MC-M044-28-X-Z	1.75 / 44
TT-C-RC-M051-32-X	TT-C-MC-M051-32-X-Z	2.00 / 51
TT-C-RC-M063-40-X	TT-C-MC-M063-40-X-Z	2.50 / 63
TT-C-RC-M076-48-X	TT-C-MC-M076-48-X-Z	3.00 / 76

For the “X” value: specify either A, B, C, D, or E

“A” = 3/8” / .375” / 7.9mm; “B” = 1/2” / .500” / 13mm; “C” = 5/8” / .625” / 15.8mm; “D” = 3/4” / .750” / 19mm; “E” = 1” / 1.000” / 25mm

For the “Z” value: specify “S” for Stainless Steel or “I” for Inconel

NOTE: 1.0” OAW not available with 5/8, 3/4 or 1” bulb. 1.25” OAW not available with 1” bulb. 1.5” OAW not available with 1” bulb

OTHER CUSTOM SIZES & SHAPES AVAILABLE – PLEASE INQUIRE

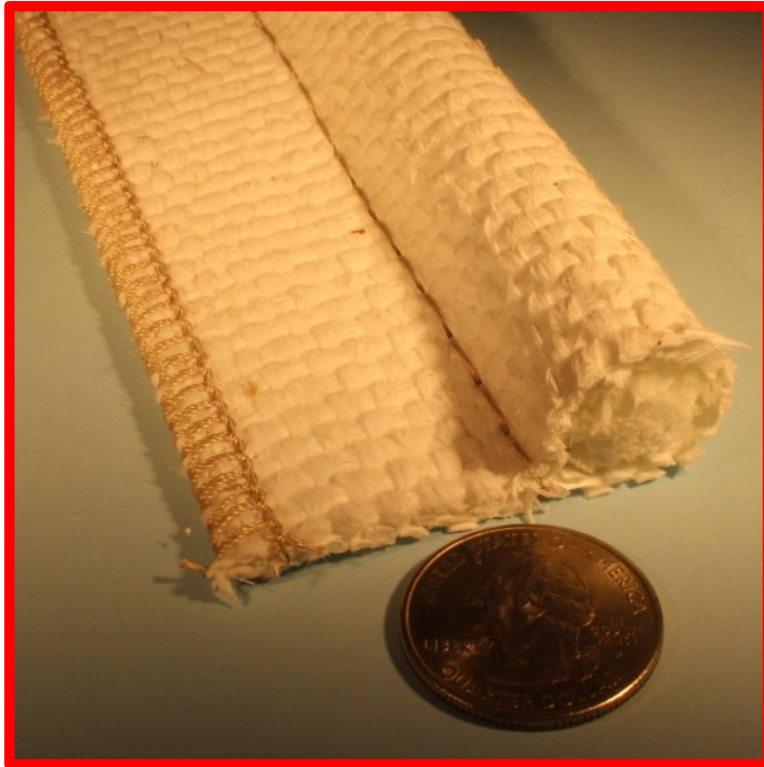
CerMax Tadpole Tape Technical Data

CerMax is alumino-silicate based refractory fiber. White and odorless. Available with either a fiberglass or wire re-inforcement. Some organic binder is present, and will smoke-off at elevated temperatures. Once the organics have smoked-off, the product will turn white again. If smoke free operation is required, then it should be heat treated before use.

Chemical & Physical Data: Total Al_2O_3 and SiO_2 > 97% (Al_2O_3 : 47%); Fe_2O_3 <1.1%. Weight Loss (1800°F) 8-10%; Refractory Fiber content >85%. Fiber diameter: 2 - 4 microns; Fiber length: 100 - 250 mm. Fiber shrinkage (1800°F, 3 hr) <3.5%

Thermal Conductivity: 570°F: 0.84 BTU/ft² °F/in (0.12 W/m °K). 1100°F: 0.91 BTU/ft² °F/in (0.13 W/m °K). 1800°F: 1.19 BTU/ft² °F/in (0.17 W/m °K).

Fiberglass with PTFE Coating Tadpole Tape: Rope or Wire Mesh Core 550°F / 287°C TadpoleTape™ High Temperature, Heat & Chemical Resistance



- PTFE Coated Fiberglass

Made from our heavy duty fabrics and ropes/wire mesh; this is a soft and resilient gasket material for effective sealing on light metal flanges and where limited bolting force is available – and where doors and other closures rest on the bulb of the packing.

This fabric offers the advantage of a non-asbestos material with higher temperature range and with excellent resistance to almost all solvents, caustics and acids.

The base fabric is rated to 1000°F / 537°C. PTFE melting point is 620°F / 327°C.

Available by-the-foot and standard 50 and 100 feet rolls.

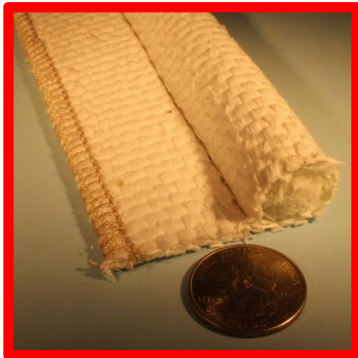
Other Sizes available – please call

The PTFE is applied to the tadpole tape by dipping the tape through an immersion tank of liquid PTFE dispersion. The tape is then heated and air dried as it leaves the dip tank.

The result is a PTFE coating on the tape which is soft, robust and flexible; however, it can be abrasively removed from the tape with aggressive fingernail scraping, resulting in a thinner and thinner layer of ptfе remaining with each pass.

The PTFE also causes the yarns to be sealed and the small gaps between the yarns filled, resulting in an almost air-tight / liquid-tight tape.

**Fiberglass with PTFE Coating Tadpole Tape:
 Rope or Wire Mesh Core (continued)
 550°F / 287°C TadpoleTape™ High Temperature, Heat & Chemical Resistance**



Rope Core



Metal Mesh Rope Core

TadpoleTape™ High Temperature & Heat Resistant PTFE coated Fiberglass		
Rope Core	Stainless Steel or Inconel 600 Mesh Core	Overall Width in / mm
Part Number	Part Number	
TT-FGPT-RC-M025-16-X	TT-FGPT-MC-M025-16-X-Z	1.00 / 25
TT-FGPT-RC-M032-20-X	TT-FGPT-MC-M032-20-X-Z	1.25 / 32
TT-FGPT-RC-M038-24-X	TT-FGPT-MC-M038-24-X-Z	1.50 / 38
TT-FGPT-RC-M044-28-X	TT-FGPT-MC-M044-28-X-Z	1.75 / 44
TT-FGPT-RC-M051-32-X	TT-FGPT-MC-M051-32-X-Z	2.00 / 51
TT-FGPT-RC-M063-40-X	TT-FGPT-MC-M063-40-X-Z	2.50 / 63
TT-FGPT-RC-M076-48-X	TT-FGPT-MC-M076-48-X-Z	3.00 / 76

For the “X” value: specify either A, B, C, D, or E

“A” = 3/8” / .375” / 7.9mm; “B” = 1/2” / .500” / 13mm; “C” = 5/8” / .625” / 15.8mm; “D” = 3/4” / .750” / 19mm; “E” = 1” / 1.000” / 25mm

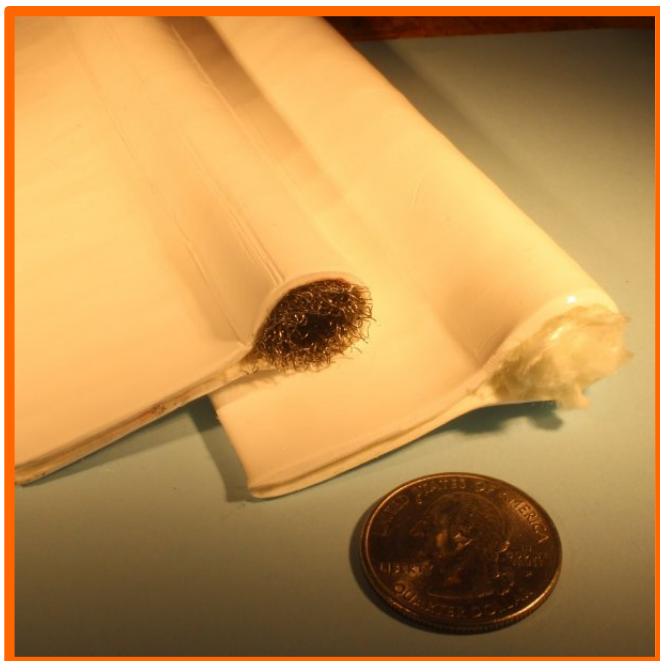
For the “Z” value: specify “S” for Stainless Steel or “I” for Inconel

NOTE: 1.0” OAW not available with 5/8, 3/4 or 1” bulb. 1.25” OAW not available with 1” bulb. 1.5” OAW not available with 1” bulb

OTHER CUSTOM SIZES & SHAPES AVAILABLE – PLEASE INQUIRE

Available by-the-foot or in standard lengths of 50 and 100 feet.

**White Rubber Coated Fiberglass Tadpole Tape (Tacky Cloth) with Rope Core
550°F / 287°C: Tuff-Flex™ TadpoleTape™ High Temperature *With or Without Wire Insert***



TadpoleTape™ made from Tuff-Flex™ 550 tacky cloth.

This is a widely used tadpole tape that provides a resilient and non-absorbent gasket material for service against steam, air, water and gases.

Especially useful where a rough or uneven surface or flange exists. The fabric is a fiberglass base with a special white rubber formulation. The fabric is tacky, and has a plastic film surface covering that is removed before installation. The fabric will stick to itself once the film is removed.

Same price with and without wire insert.

Available by-the-foot and standard 50 and 100 feet rolls.

Other sizes available.

Wire Inserted Version: The fill (width wise) yarn for this version of the fabric has a twisted brass wired formed with it, providing additional strength, stability and electrical conductivity/shielding.

TadpoleTape™ High Temperature & Heat Resistant White Rubber Coated Fiberglass (Tacky Cloth)		
Rope Core	Stainless Steel or Inconel 600 Mesh Core	Over All Width in / mm
Part Number	Part Number	
TT-FG-TC-RC-M025-16-X-Y	TT-FG-TC-MC-M025-16-X-Y-Z	1.00 / 25
TT-FG-TC-RC-M032-20-X-Y	TT-FG-TC-MC-M032-20-X-Y-Z	1.25 / 32
TT-FG-TC-RC-M038-24-X-Y	TT-FG-TC-MC-M038-24-X-Y-Z	1.50 / 38
TT-FG-TC-RC-M044-28-X-Y	TT-FG-TC-MC-M044-28-X-Y-Z	1.75 / 44
TT-FG-TC-RC-M051-32-X-Y	TT-FG-TC-MC-M051-32-X-Y-Z	2.00 / 51
TT-FG-TC-RC-M063-40-X-Y	TT-FG-TC-MC-M063-40-X-Y-Z	2.50 / 63
TT-FG-TC-RC-M076-48-X-Y	TT-FG-TC-MC-M076-48-X-Y-Z	3.00 / 76

For the “X” value: specify either A, B, C, D, or E

“A” = 3/8” / .375” / 7.9mm; “B” = 1/2” / .500” / 13mm; “C” = 5/8” / .625” / 15.8mm; “D” = 3/4” / .750” / 19mm; “E” = 1” / 1.000” / 25mm

For the “Y” value: specify “W” to specify with wire insert use “N” to specify no wire

For the “Z” value: specify “S” for Stainless Steel or “I” for Inconel

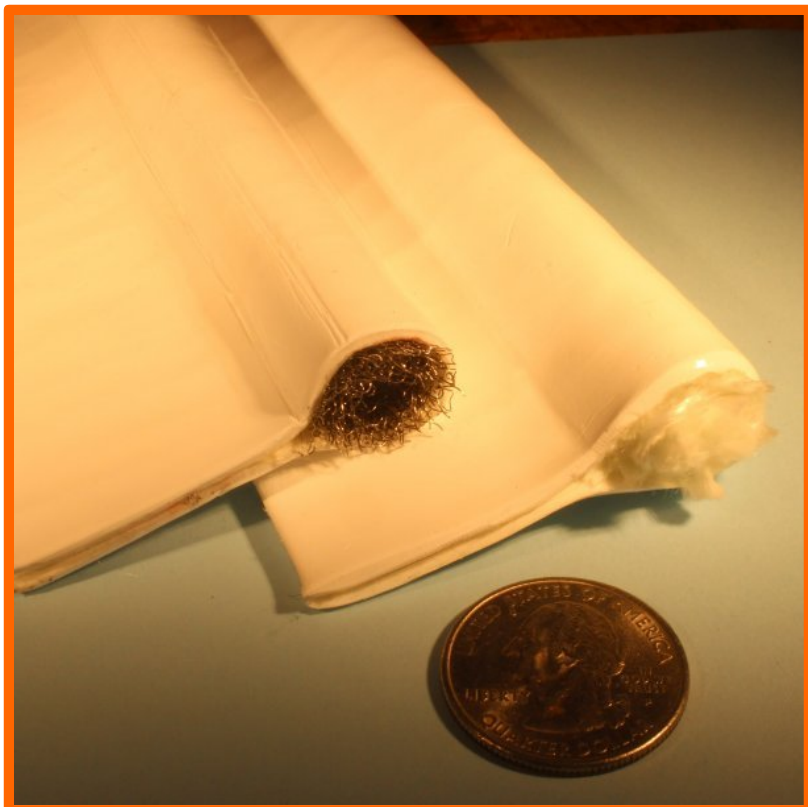
NOTE: 1.0” OAW not available with 5/8, 3/4 or 1” bulb. 1.25” OAW not available with 1” bulb. 1.5” OAW not available with 1” bulb

Curing: It is recommended that this material be cured in situ. This material must be heated to a minimum of 300°F within 60 minutes, then it must sit at 300°F or higher for 90 minutes for the rubber to fully cure.

Do not overtorque the material during this curing time or the rubber will be squeezed off of the base material.

If the material is not fully cured, the rubber will drip from the material causing voids. After curing the material can be exposed to a lower operational temperature.

Expanded PTFE Tadpole Tape with Rope or Wire Mesh Core 550°F / 287°C TadpoleTape™ High Temperature & Chemical Resistance



Made from expanded PTFE (ePTFE)

Pure ePTFE tape formed into a tadpole with either a rope core or stainless steel mesh core. Excellent corrosion resistance, high pressure resistance, easy to use.

Excellent resistance to almost all solvents, caustics and acids.

PTFE melting point is 620°F / 327°C.

Standard Roll of 100 feet. Sold in Full Rolls Only

TadpoleTape™ High Temperature & Heat Resistant ePTFE		
Rope Core	Stainless Steel or Inconel 600 Mesh Core	Over All Width in / mm
Part Number	Part Number	
TT-EPT-RC-M025-16-X-Y	TT-EPT-MC-M025-16-X-Y-Z	1.00 / 25
TT-EPT-RC-M032-20-X-Y	TT-EPT-MC-M032-20-X-Y-Z	1.25 / 32
TT-EPT-RC-M038-24-X-Y	TT-EPT-MC-M038-24-X-Y-Z	1.50 / 38
TT-EPT-RC-M044-28-X-Y	TT-EPT-MC-M044-28-X-Y-Z	1.75 / 44
TT-EPT-RC-M051-32-X-Y	TT-EPT-MC-M051-32-X-Y-Z	2.00 / 51
TT-EPT-RC-M063-40-X-Y	TT-EPT-MC-M063-40-X-Y-Z	2.50 / 63
TT-EPT-RC-M076-48-X-Y	TT-EPT-MC-M076-48-X-Y-Z	3.00 / 76

For the "X" value: specify either A, B, C, D, or E

"A" = 3/8" / .375" / 7.9mm; "B" = 1/2" / .500" / 13mm; "C" = 5/8" / .625" / 15.8mm; "D" = 3/4" / .750" / 19mm; "E" = 1" / 1.000" / 25mm

For the "Y" value: specify "W" to specify with wire insert use "N" to specify no wire

For the "Z" value: specify "S" for Stainless Steel or "I" for Inconel

NOTE: 1.0" OAW not available with 5/8, 3/4 or 1" bulb. 1.25" OAW not available with 1" bulb. 1.5" OAW not available with 1" bulb

OTHER SIZES AVAILABLE – PLEASE INQUIRE

TTWearGuard

Most Tadpole Tapes can be wrapped in a stainless steel mesh to offer high degree of abrasion resistance.

Please enquire on pricing.

Custom Size and Custom Construction TadpoleTape™

Our fabrication shop can produce almost any size and shape gasket, tadpole shape or almost any other shape.

Some of the common shapes include double bulb, square bulb, and metal mesh covered.

To assist our fabrication shop, any sketch, drawing, or photo of an existing item would be useful.

Please contact us to obtain a price and time quotation.

Lacing Tape

NyLace™ Nylon Lacing Tape	2-171
PolyLace™ Polyester Dacron Lacing Tape	2-172
PtLace™ PTFE Lacing Tape	2-173
GlasLace™ Fiberglass Lacing Tape	2-174
NMXLace™ Nomex Lacing Tape	2-175





Nylon® Lacing Tape A-A-52080 Type I / MIL-T-43435
Heat Resistant High Strength Lacing Tape
- Natural, Wax or Synthetic Rubber Finish
-67°F to 250°F - Melting Point 478°F



- General purpose lacing tape.
- Color: Natural or Black
- Good abrasion resistance and tensile strength.



Nylon® Lacing Tape - A-A-52080 Type I / MIL-T-43435 -67°F to 250°F						
Part Number	Mil Spec Size	Width		Thickness		Spool Length feet
		Min / Max inches	Min / Max inches	Min / Max inches	Min / Max inches	
T-LACE-NY-1-X-Y	1	0.180	0.220	0.013	0.019	750
T-LACE-NY-2-X-Y	2	0.099	0.121	0.012	0.018	750
T-LACE-NY-3-X-Y	3	0.077	0.094	0.011	0.017	1500
T-LACE-NY-4-X-Y	4	0.054	0.066	0.009	0.015	1500
T-LACE-NY-5-X-Y	5	0.045	0.055	0.006	0.014	1500

For the “X” value in the part number specify finish as either:
“A” for Natural, “B” for Wax, or “C” for Synthetic Rubber finish

For the “Y” value in the part number: use “N” for Natural Color
use “B” to specify Black Color

Natural Color: Size 1-A, 2-A, 3-A, 4-A, 5-A
 Size 1-B, 2-B, 3-B, 4-B, 5-B
 Size 1-C, 2-C, 3-C, 4-C, 5-C

Black Color: Size 2-A
 Size 1-B, 2-B, 3-B, 4-B, 5-B
 Size 5-C

Polyester Dacron® Lacing Tape A-A-52081 Type II / MIL-T-43435

Heat Resistant High Strength Lacing Tape

- Natural, Wax or Synthetic Rubber Finish

-99°F to 350°F - Melting Point 482°F



- General purpose lacing tape, superior knot tying and holding compared to Nylon.
- Suitable for Aviation / Aerospace applications
- Color: Finish A / Natural or Black
Finish B & C / Natural, Black or Red
- Good abrasion resistance and tensile strength.



Polyester Dacron Lacing Tape - A-A-52081 Type II / MIL-T-43435 -99°F to 350°F						
Part Number	Mil Spec Size	Width		Thickness		Spool Length feet
		Min / Max inches	Min / Max inches	Min / Max inches	Min / Max inches	
T-LACE-DA-1-X-Y	1	0.180	0.220	0.013	0.019	750
T-LACE-DA-2-X-Y	2	0.099	0.121	0.012	0.018	750
T-LACE-DA-3-X-Y	3	0.077	0.094	0.011	0.017	1500
T-LACE-DA-4-X-Y	4	0.054	0.066	0.009	0.015	1500
T-LACE-DA-5-X-Y	5	0.045	0.055	0.006	0.014	1500

Above Pricing is for Natural – For Black or Red add 15%

For the “X” value in the part number specify either:

“A” for Natural, “B” for Wax, or “C” for Synthetic Rubber finish

For the “Y” value in the part number: use “N” for Natural

use “B” for Black

use “R” for Red

\$100.00 Minimum Order

PTFE Fluorocarbon (Teflon®) Lacing Tape A-A-52082 Type III / MIL-T-43435

Heat & Chemical Resistant Lacing Tape
 - No Finish
 -99°F to 450°F - Melting Point 620°F

- Suitable for aircraft engine applications.
- Natural (Brown/Tan Color)



PTFE Fluorocarbon (Teflon) Lacing Tape - A-A-52082 Type III / MIL-T-43435 -99°F to 450°F						
Part Number	Mil Spec Size	Width		Thickness		Spool Length feet
		Min / Max inches		Min / Max inches		
T-LACE-PT-2	2	0.108	0.132	0.009	0.014	750
T-LACE-PT-4	4	0.059	0.072	0.009	0.014	1500

Fiberglass (E-grade) Lacing Tape A-A-52083 Type IV / MIL-T-43435
 Heat & Very High Temperature Resistant Non Flammable Lacing Tape
 - Natural with PTFE finish
 -67°F to 900°F - Melting Point 2100°F



- Very high temperature applications.
- Low elongation. Not affected by moisture.
- Color: Natural

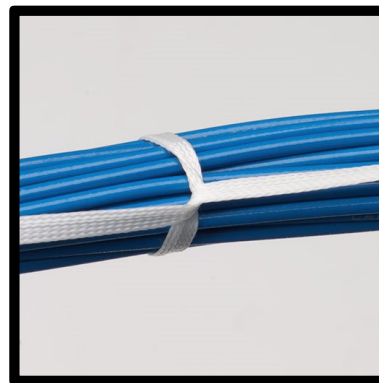


Fiberglass Lacing Tape - A-A-52083 Type IV / MIL-T-43435 -67°F to 900°F						
Part Number	Mil Spec Size	Width		Thickness		Spool Length feet
		Min / Max inches	Min / Max inches	Min / Max inches	Min / Max inches	
T-LACE-FG-1	1	0.203	0.248	0.013	0.019	750
T-LACE-FG-2	2	0.099	0.121	0.013	0.019	750
T-LACE-FG-3	3	0.077	0.094	0.013	0.019	1500
T-LACE-FG-4	4	0.054	0.066	0.013	0.019	1500

Nomex® Meta Aramid Lacing Tape A-A-52084 Type V / MIL-T-43435
Heat & Very High Temperature Resistant Non Flammable Lacing Tape
- Natural or Synthetic Rubber finish
-67°F to 500°F - Melting Point 700°F



- Very high temperature applications.
- Non-flammable.
- Suitable for aircraft wiring applications.
- Color: Natural



Nomex® Meta-Aramid Lacing Tape - A-A-52084 Type V / MIL-T-43435 -67°F to 500°F						
Part Number	Mil Spec Size	Width		Thickness		Spool Length feet
		Min / Max inches	Min / Max inches	Min / Max inches	Min / Max inches	
T-LACE-NMX-1-X	1	0.180	0.220	0.013	0.019	750
T-LACE-NMX-2-X	2	0.099	0.121	0.011	0.017	750
T-LACE-NMX-3-X	3	0.068	0.083	0.009	0.015	1500
T-LACE-NMX-4-X	4	0.050	0.061	0.007	0.013	1500

For the “X” value in the part number specify either:
“A” for Natural or “C” for Synthetic Rubber finish



Thermal, EMI/RFI & Abrasion Protection Materials

Fax Orders: 610-340-9054 Telephone Orders: 610-906-3549 orders@abthermal.com



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Thermal, EMI/RFI & Abrasion Protection Materials

Fax Orders: 610-340-9054 Telephone Orders: 610-906-3549 orders@abthermal.com

High Temperature, Heat, Flame, Fire, Molten Metal & Weld Splatter Protection Materials

Fax Orders: 610-340-9054 Telephone Orders: 610-906-3549 orders@abthermal.com
