US-SP-17097

Gray Automotive Silicone RTV Gasket Maker High Resistance to Fluids



US-SP-17097 is a silicone RTV adhesive rubber developed for applications requiring fast development of physical properties and fast unprimed adhesion. This is a 1-Part silicone that allows handling of the bonded assembly within one hour of application to the substrate. When cured, the elastomer resists typical automotive fluids and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to most plastics, metal and glass
- · Non-corrosive oxime cure
- Rapid onset of adhesion
- · High temperature resistance
- Temperature range -65°C to 260°C

Color: Gray (custom colors available upon request)

Typical Applications

- Form in place gaskets
- Adhesive Sealant
- Automotive assembly and MRO

Chemical cure system: Oxime cure system

Typical Properties

Uncured

Viscosity, cps 500,000 Specific Gravity 1.45

Consistency: thixotropic paste

Working time, mins. at Room Temperature: 5 Tack Free Time, mins. at Room Temperature: 15

Application Rate 220-550 90PSI, g/min. 3mm orifice at 0.6 MPa

Cured 24 Hours at Room Temperature

Tensile Strength, PSI >400 Elongation, % 200 Durometer, Shore A 45 Peel Strength, PPI 40

Tear Strength, PLI 35

Method of Application: Dispense sealant onto part and mate parts. Do not squeeze all the product out of flange assembly. Allow to cure.

Curing: Typical utilization involves dispensing in open air with exposure to ambient humidity. This method of application will result in a room temperature cured elastomer with very high adhesive properties.

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and glass

Service temperature: -65°C to 260°C

Limitations: Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 50 lb. pails and 500 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Handling and safety

For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life

Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable Standards and O.E.M. part number interchange

- Acura 08718550030E Chrysler 82300234, 82300235
- Daewoo AA 1204020
 Ford WSE-M4G-323-A5
- G.M. 12346240, 9985943 Suzuki 99104-31140, 99104-31160 Honda 296380, 296381, 08718-001, HC2963817, 08718-5000040E, 08718-0003
- Hyundai 231-13800, 4C116-21000 Isuzu 1215, 1216, 1207D
- Maxion 0710129
 Mazda 77-300C-30
- Mitsubishi MD997740, MD997110, MD970389, 3M8704, ACH1ZC1X02, ACH1ZC1X03, 3M8678, 3M8679, 3M8672
- Nissan 999MPAM003, 999MP-A7007, KPS51000150
- Subaru 004403007, TB1215, TB1207, TB1217B, 3MT3#08670
- Toyota 00001-01001, 00001-01002, 00295-00102, 00295-01208, 00295-01282, 00295-01281, 004403007, TB-1215, TB1217B, TB1207, 3MT3#08670