



US-HS-9444

Selective Adhesion Neutral Cure Silicone RTV Adhesive Sealant

US-HS-9444 is a selective adhesion, neutral curing silicone RTV adhesive rubber engineered for applications requiring fast development of physical properties. This is a 1-Part silicone that when applied to aluminum and other metals in an assembly, allows adhesion only to the aluminum and allows release from other substrates. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to target materials, release from others
- Fast onset of adhesion
- Non-corrosive oxime cure

Color: Translucent (custom colors available upon request)

Typical Applications

- Assembly line adhesive
- Component assembly
- Adhesive Sealant

Cure System: Oxime cure system

Typical Properties

Uncured Viscosity, cps: 500,000 Specific Gravity: 1.12
 Consistency : thixotropic paste Working time, mins. at Room Temperature: 8
 Tack Free Time, mins. at Room Temperature: 15

Cured – 72 Hours at Room Temperature: Download PDF for Electrical and Thermal Specifications*

Tensile Strength, PSI: 9000	Elongation, %: 800
Durometer, Shore A: 50	Peel Strength, PPI: 100
Tear Strength, PLI: 200	

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

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. 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 target substrates

Service temperature: -65°C to 260°C

Limitations: Do not use product on head gaskets, solvent 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.