



US-HS-9441

Highest Strength Neutral Cure Silicone RTV Adhesive Sealant

US-HS-9441 is a high strength, neutral curing silicone RTV adhesive rubber. This product was 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 weathering, ozone, moisture, UV 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
- Fast onset of adhesion
- Non-corrosive oxime cure
- Temperature range -65°C to 260°C

Color: Translucent (custom colors available upon request)

Typical Applications:

- Assembly line adhesive
- Component assembly
- Industrial adhesive sealant

Cure System: Oxime cure system

Typical Properties

Uncured Viscosity, cps: 500,000 Specific Gravity: 1.11
 Consistency : thixotropic paste Working time, mins. at Room Temperature: 8
 Tack Free Time, mins. at Room Temperature: 15
 Application Rate, 90 PSI, g/min. 300, 3mm orifice at 0.6 MPa

Cured 72 Hours at room temperature **Download PDF for Electrical Specifications***

Tensile Strength, PSI: 900	Elongation, %: 800
Durometer, Shore A: 50	Peel Strength, PPI: 100
Tear Strength, PLI: 100	

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 most plastics, metals and glass

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, 40 lb. pails and 400 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.