



US-SP-909 EPDM Rubber Silicone RTV Adhesive

US-SP-909 is a fast curing silicone RTV adhesive rubber developed for applications requiring adhesion to EPDM (ethylene propylene diene monomer rubber). This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within an hour. 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 EPDM rubber
- Rapid onset of adhesion
- High temperature resistant
- Non-corrosive oxime cure
- Temperature range -65°C to 260°C

Typical Applications

- EPDM bonding
- Form in place gaskets
- Adhesive Sealant

Colors: White (Custom colors available upon request)

Typical Properties

Uncured:

Viscosity, cps 400,000 Specific Gravity 1.28 Consistency : thixotropic paste
 Working time, mins. at Room Temperature: 8
 Tack Free Time, mins. at Room Temperature: 20
 Application Rate, 90 PSI, g/min. >1000 3mm orifice at 0.6 MPa

Cured – 72 Hours at Room Temperature

Download PDF for Electrical Specifications

Tensile Strength, PSI: 275 Elongation, %: 450
 Durometer, Shore A: 35 Peel Strength, PPI: 20

Method of Application: Dispense sealant onto part and mate parts. Be sure not to 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 and ambient humidity to result in a high strength adhesive rubber.

Chemical cure system: Oxime cure system

Packaging: Adhesive is available in 10.3 oz. cartridges, 50 lb. pails and 500 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Solids: 96% solids

Adhesion: Primerless adhesion to EPDM rubber

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.

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: Conforms to GM 9985675 and GM low volatility requirements.