US-SP-17700
Heavy Bodied Automotive Silicone RTV Gasket Maker

US-SP-17700 is a fast curing, heavy bodied 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 typical automotive fluids and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features
- Fast Room Temperature cure
- Thixotropic, heavy bodied 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 550°F

Color: Black (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 800,000
- Specific Gravity 1.33
- Consistency: thixotropic paste
- Working time, mins. at Room Temperature: 5
- Tack Free Time, mins. at Room Temperature: 10

Cured 24 Hours at Room Temperature
- Tensile Strength, PSI >250
- Durometer, Shore A 40
- Peel Strength, PPI >50
- Tear Strength, PLI >50

Method of Application: Dispense sealant onto part and mate parts. Do not squeeze all 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 550°F

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 semi 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.

Applicable Standards and O.E.M. part number interchange
- Chrysler - 4883971 and GF-44-A
- Ford - WSE-M4G-323-A6
- Land Rover – LRNA-25223
- Mitsubishi – 3M8663, 3M8672, 3M8678, 3M8679, 3M8661
- Saturn – 2109581
- Daewoo - PS9120016
- G.M. - 1237849, 998-5990, 12344628
- Mercedes Benz – A0029897320
- Saturn – 2109581

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