## US-SP-17997

# Heavy Bodied Silicone RTV: Used Extensively for Import Auto Applications

**US-SP-17997** is a fast curing silicone RTV adhesive rubber developed for import automotive gasketing. This is a 1-Part silicone adhesive that when applied to the substrate allows handling of the bonded assembly within an hour. 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 many plastics, metal and glass
- · Rapid onset of adhesion
- · High temperature resistant
- Non-corrosive oxime cure
- Temperature range -65°C to +260°C

#### **Typical Applications**

- · Form in place gaskets
- Adhesive Sealant
- Automotive Assembly and MRO

Colors: Gray (custom colors available upon request)

Service Temperature: -65°C to +260°C

**Typical Properties** 

Uncured

Viscosity 700,000 Specific Gravity 1.5 Consistency: thixotropic paste

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

**Cured 24 Hours at Room Temperature** 

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

Peel Strength, PPI 40 Tear, PPI 35

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.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

**Curing:** Typical utilization involves dispensing in open air and after exposure to ambient humidity, a room temperature cured elastomer with high adhesive properties is formed.

**Adhesion:** Primerless adhesion to most plastics, metals and typical substrates.

**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

• 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
- Suzuki 99104-31140, 99104-31160
- Toyota 00001-01001, 00001-01002, 00295-00102, 00295-01208, 00295-01282, 00295-01281, 004403007, TB-1215, TB1217B, TB1207, 3MT3#08670