

SS35 Thermally Conductive Silicone

Product Description

SS35 THERMALLY CONDUCTIVE RTV SILICONE ADHESIVE SEALANT

is a thermally conductive silicone RTV adhesive rubber developed for heat sink applications. One-part silicone that when applied to substrates it enables adhesion of parts, vibration insulation, and heat transfer.

FEATURES

- One-part silicone rubber sealant.
- Thixotropic Paste
- Will not crack or become brittle with age.
- Excellent unprimed adhesion to glass, metal, and many plastics.
- Neutral Cure (non-corrosive)

APPLICATIONS

- Sealant and adhesive for many automotive applications.
- PC Board Heat Sink
- Part fixturing, vibration and moisture insulation
- An adhesive sealant when high temperatures are a factor.
- An adhesive sealant for many marine applications.
- Sealing and adhering appliance parts

PACKAGING

SS35 RTV Silicone is available in 10.3 oz. cartridges, 5 gallon pails. Other package sizes available upon request.

CURING

Room temperature cures using moisture from air. SS35 will exhibit outstanding adhesion qualities after only minutes of application.

TYPICAL PROPERTIES

UNCURED

Color.....gray
Consistency.....Thixotropic Paste
Specific Gravity.....1.25
Viscosity..cps.....500,000
Working Time, mins. @ R.T.....8 mins.
Tack Free Time, mins.@ RT.....20 mins.
Application Rate..90 psi, g.min.....250

CURED @ Room Temperature 72 hours

Tensile Strength, psi.....250
Elongation %.....250
Durometer, Shore A.....40
Thermal Conductivity W/m²K.....0.63
Coefficient of Thermal Expansion
cm/cm³C.....27 x 10⁻⁵
Dielectric Strength. kv/mm.....19.5
Dissipation Factor @ 1kHz.....0.003
Volume Resistivity Ohm-cm.....1.8 x 10¹⁴
Service Temp.....-54 to 260° C

**Values given are not intended for preparing specific specifications.

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