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SS-35

Product Description

SS-35 is a thermally conductive silicone RTV adhesive rubber developed for heat sink applications. SS-35 is a 1-part silicone that when applied to the substrate enables adhesion to parts and heat transfer of the bonded assembly within minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. SS-35 works well in manual and automatic dispensing equipment.

Product Features

- Fast RT cure
- High thermal conductivity
- Thixotropic paste
- Excellent unprimed adhesion to plastic, metal and glass
- Non-corrosive

Typical Applications

- PC board heat sink
- Electronic component heat transfer
- Power unit adhesive
- Adhesive sealing of components
- Part fixturing with heat dissipation

Chemical Cure System

Oxime



Thermally Conductive Silicone Adhesive Sealant

Typical Properties

Color	Gray
Viscosity, cps	600,000
Specific Gravity	1.62
Consistency	Thixotropic Paste
Working Time @ RT	8 Minutes
Tack Free Time @ RT	20 Minutes
Application Rate, 90 PSI g/min	250
Cure Time	72 Hours @ RT
Durometer	40 Shore A
Tensile Strength	250 PSI
Elongation	250%
Thermal Conductivity	0.63 W/m/K
Coefficient of Thermal Expansion	17 x 10 ⁻⁵
Dielectric Strength	23 KV/mm
Dielectric Constant	3.3
Dissipation Factor	0.007
Volume Resistivity	1.8 x 10 ¹⁵

Curing

Cure speed can be accelerated with increased humidity and heat to very rapid cure times. Typical utilization involves dispensing in open air and after exposure to ambient humidity, a room temperature cured rubber with thermally conductive properties is formed.

Solids

98% solids

Adhesion

Excellent unprimed adhesion to plastic, metal and glass

Service Temperature

-45 to 260°C

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 the SDS.

Shelf Life

Sealed containers are guaranteed for 12 months from the ship date when stored in a cool dry area below 70°F.

Limited Warranty

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as warranty, either expressed or applied. User shall rely on his/her own information and tests to determine suitability of the product for the intended use, and the user assumes all risk and liability resulting from the use of this product. Manufacturer's sole responsibility shall be to replace that portion of product that the manufacturer proves to be defective. Manufacturer shall not be liable to the buyer or any third party for injury, loss or damage directly or indirectly resulting from the use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding by the manufacturer.

This product has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses which implantation within the human body is intended.

*****Customized versions available upon request*****