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SS-3005

Product Description

SS-3005 is a fast cure silicone RTV rubber developed for thermally conductive applications. SS-3005 is a 1-part silicone that when cured this coating enables protection from wind, rain, fire, cold, heat, rust, wear from sand or stones, chemicals, abrasion, etc. SS-3005 works well in manual and automatic spraying equipment.

Product Features

- Thermally conductive
- Fast room temperature cure
- Exceptional abrasion resistance
- Excellent adhesion to metal and composite substrates

Typical Applications

- Solar unit fabrication
- Component thermal dissipation
- Industrial, automotive and specialty assembly heat transfer

Chemical Cure System

Oxime



Thermally Conductive Silicone Rubberized Coating

Typical Properties

Color	Gray
Viscosity, cps	8,000
Specific Gravity	1.12
Consistency	Thick liquid
Working Time @ RT	20 Minutes
Cure Time	72 Hours @ RT
Durometer	38 Shore A
Tensile Strength	300 PSI
Elongation	260%
Peel Strength	40 PPI
Thermal Conductivity	0.63 W/m K
Coefficient of Thermal Expansion	17 x 10⁻⁵

ONR TEST RESULTS

<u>Chip Resistance</u> ASTM D3170	Pass
<u>Abrasion/Erosion</u> ASTM D3359	Pass

Application

Apply two coats of 25 mils. Allow to cure 24 hours prior to use.

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 is formed.

Solids

>50% solids, contains no VOC solvents

Limitations

Do not use product on head gaskets, solvent 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*****