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SS-3045

Product Description

SS-3045 is a heat curing, high strength silicone adhesive rubber developed for applications requiring fast development of physical properties and excellent adhesion. SS-3045 is a 1-part silicone that when applied to the substrate and thermally cured, allows handling of the bonded assembly within minutes. SS-3045 works well in manual and automatic dispensing equipment.

Product Features

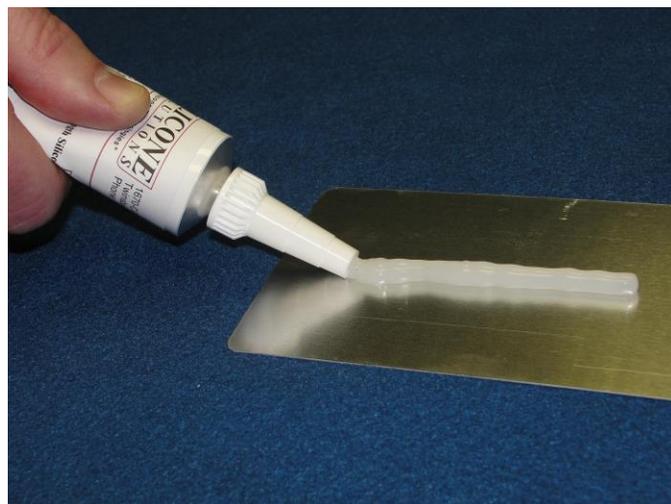
- 1-part fast heat cure
- Thixotropic paste
- Excellent unprimed adhesion to metals and glass

Typical Applications

- Assembly line adhesive
- Form in place gaskets

Chemical Cure System

Platinum catalyzed, addition cure



High Strength Heat Cure Adhesive Sealant

Typical Properties

Color	Translucent
Viscosity, cps	500,000
Specific Gravity	1.08
Consistency	Thixotropic Paste
Work time @ RT	>7 Days
Cured @ 150°C	15 Minutes
Durometer	30 Shore A
Tensile Strength	600 PSI
Elongation	450%
Dielectric Constant	2.8
Dielectric Strength	500 V/mil
Volume resistivity	2×10^{14}
Dissipation factor	0.001
Thermal Conductivity	$0.0005 \text{ W/m } ^\circ\text{K}$
Coefficient of Thermal Expansion	20×10^{-5}

*****Keep Frozen When Not In Use*****

Adhesion

This product offers primerless adhesion to plastics, metals, and typical substrates.

Limitations

Do not use product on head gaskets or in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Handling and Safety

This is a platinum cure system product. The catalyst can be deactivated by exposure to sulfur containing compounds like thiols, sulfides, sulfates, organic rubber containing sulfur, nitrogen containing compounds like amines, amides, imides, azides, tin metals or compounds, or tin cured RTVs. 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 6 months from the ship date when stored in a freezer <32°F.

Applicable Standards

Conforms to GM low volatility requirements.

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*******