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SS-8112

Product Description

SS-8112 is a fast curing, pourable silicone RTV rubber developed for potting and encapsulation applications. SS-8112 is a 2-part, variable mix ratio silicone that when mixed, allows handling of the assembly within 20 – 120 minutes. SS-8112 works well in manual or automatic static mix dispensing equipment.

Product Features

- Fast deep section RT cure
- Self-leveling
- Convenient user defined variable mix ratio 100:3-5

Typical Applications

- Electronic component encapsulation
- Electrical potting
- Thermal, vibration and moisture insulation

Chemical Cure System

Alkoxy



Fast Cure Liquid Silicone Rubber

Typical Properties

Color	Light Blue
Viscosity, cps	90,000
Specific Gravity	1.70
Consistency	Self-Leveling Liquid
Gel Time @ 3% Catalyst	60 Minutes
Gel Time @ 5% Catalyst	10 Minutes
Cure Time	24 Hours @ RT
Durometer	80 Shore A
Tensile Strength	750 PSI
Elongation	200%
Dielectric Strength	19.5 KV/mm
Dielectric Constant	3.8
Dissipation Factor	0.01
Volume Resistivity	1.8×10^{14}
Coefficient of Thermal Expansion	20×10^{-5}

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.

Mixing Instructions

The method of mixing SS-8112 is either through a static mixer or manually at a 100:3-5 mix ratio by weight, dependent upon the desired cure speed.

Solids

98% solids, contains no solvents

Limitations

Do not use in a solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

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 6 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*****