

SILICONE SOLUTIONS

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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 two part, variable mix ratio silicone that when mixed allows handling of the assembly within 20 to 120 minutes. SS-8112 works well in manual or automatic static mix dispensing equipment.

Product Features

- ◆ Fast deep section R.T. cure
- ◆ Self leveling rheology
- ◆ Very high durometer
- ◆ Neutral cure
- ◆ Convenient user defined variable mix ratio 100 : 3-5
- ◆ Temperature Range -40 to 204C

Typical Applications

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

Packaging

SS-8112 is available in 10 lb. kits, 50 lb. kits and 550 lb. kits. This product is also available in customer defined packaging sizes, upon request.

Fast Cure Liquid Silicone Rubber

Typical Properties

<u>UNCURED</u>	<u>Part A</u>	<u>Part B</u>	<u>Mix</u>
Color	Blue	White	Lt. Blue
Viscosity, cps	10,000	100,000	90,000
Specific Gravity	1.10	1.80	1.70

Consistency mixed: self-leveling liquid

Gel Time, mins. @ 3% cat: 60

Gel Time, mins. @ 5% cat: 10

CURED - R.T.

Cured -24 Hrs. @ R.T.

Tensile Strength, PSI 750

Elongation, % 200

Durometer, Shore A 80

Thermal Conductivity
W / m²K 0.17

Coefficient of Thermal
Expansion cm/cm °C 20 x 10⁻⁵

Mixing Instructions

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

Solids

98% solids, contains no solvents

Limitations

Do not use product on head gaskets or in a fuel immersion application, and allow to fully cure before putting assembly into service. Insure enough product remains between flanges to be effective in an assembly.

Compatibility

Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

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 MSDS.

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 implied. User shall rely on his 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 of 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 ****