

SILICONE SOLUTIONS

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SS-9187

Product Description

SS-9187 is a 1-part silicone RTV developed for conformal coating applications. SS-9187 offers unprimed adhesion to many metals and plastics. High flexibility is combined with an oxime cure system to result in a tough and durable silicone conformal coating.

Product Features

- ◆ Fast room temperature cure
- ◆ Self-leveling liquid RTV
- ◆ Neutral cure
- ◆ Adhesion to metals and many plastics
- ◆ Fluoresces under UV light to enable coating inspection

Color: Clear
(custom colors available upon request)

Typical Applications

- ◆ Coating electronic assemblies
- ◆ Industrial coating and sealing
- ◆ Thin section potting & encapsulation

Service temperature

-65 to 250C

Conformal Coating RTV

Typical Properties

UNCURED

Viscosity, cps	1,000
Specific Gravity	.98
Consistency :	low viscosity liquid
Tack Free Time, mins. @ R.T.:	9

CURED - R.T.

Cured -72 Hrs. @ R.T.

Durometer, Shore A	17
Dielectric Strength KV/mm	13
Dielectric Constant	3.0
Dissipation Factor	.002
Volume Resistivity	1.8x10 ¹⁵

Method of Application

Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying

Chemical cure system

Oxime cure system

Curing

Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a durable adhesive rubber conformal coating.

Packaging

SS-9187 is available in 8 lb. containers, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request

Solids

98% solids, contains no solvents

Adhesion

Primerless adhesion to most metals and many plastics

Limitations

Do not use product in a fuel or solvent immersion application. 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 MSDS.

Shelf-life

Sealed containers are guaranteed for 1 year 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 ****

