

SILICONE SOLUTIONS

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SS-6604

Product Description

SS-6604 is a 1-part silicone RTV developed for conformal coating applications. SS-6604 offers unprimed adhesion to metals and many plastics. High flexibility is combined with an oxime cure to result in a durable silicone conformal coating.

Product Features

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

Product Applications

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

Color: Clear
(custom colors available upon request)

Service temperature

-65 to 250C

Conformal Coating RTV

Typical Properties

UNCURED

Specific Gravity	0.98
Viscosity	1,000 cps.
Tack Free Time @ R.T.	20 minutes

CURED - R.T.

Cured - 24 hrs. @ R.T.	
Durometer, Shore A	10
Dielectric Strength KV/mm	20
Dielectric Constant	3.1
Dissipation Factor	.01
Volume Resistivity	4x10 ¹⁵

Method of Application

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

Chemical cure system

Oxime cure system

Solids

98% solids, contains no solvents

Curing

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

Adhesion

Primerless adhesion to most plastics, metals and typical substrates.

Limitations

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

Packaging

SS-6604 is available in 8 pound gallon cans, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and Safety

For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant can irritate eyes and skin. Refer to MSDS.

Compatibility

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

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 applied. 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 ****