

SILICONE SOLUTIONS

1670-C Enterprise Parkway
Twinsburg, Ohio 44087

Phone (330) 405-4595

Fax (330) 405-4596

SS-25

Product Description

SS-25 is an electrically conductive, moisture curing silicone RTV. SS-25 is a 1-Part silicone that when applied to the substrate allows handling of the assembly after 1 hour. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperature. SS-25 works well in manual and automatic dispensing equipment.

Product Features

- ◆ R.T. cure
- ◆ Thixotropic paste
- ◆ High temperature resistant
- ◆ Non-corrosive oxime cure
- ◆ Temperature range -65 to 260C

Typical Applications

- ◆ EMI/RFI silicone shielding
- ◆ Electrically conductive sealant
- ◆ Thermally conductive sealant
- ◆ Form in place gaskets

Color: Dark gray
(custom colors available upon request)

Electrically Conductive Silicone RTV

Typical Properties

Viscosity, cps	600,000
Specific Gravity	2.29
Consistency :	thixotropic paste
Working time, mins. @ R.T.:	15
Tack Free Time, mins. @ R.T.:	60
Application Rate, 90 PSI, g/min.	400
3mm orifice @ 0.6 MPa	
Cure time	<u>24hrs.@R.T.</u>
Durometer, Shore A	65
Tensile Strength, PSI	540
Elongation, %	280
Volume Resistivity, Ohms/cm	0.06
Conductive Filler	Nickel/Graphite

Method of Application

Dispense sealant onto part. Mate parts, and be sure not to squeeze all of the product out of flange assembly. Allow to cure.

Chemical cure system

Oxime cure system

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 with electrically conductive properties is formed.

Packaging

SS-25 is available in 10.3 oz. cartridges and 70 lb. pails. This product is also available in customer defined packaging sizes upon request.

Solids

98% solids

Adhesion

Primerless adhesion to most metals and typical substrates.

Service temperature

-65 to 260C

Limitations

Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

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 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 ****