

SILICONE SOLUTIONS

1670-C Enterprise Parkway
Twinsburg, Ohio 44087

Phone (330) 405-4595

Fax (330) 405-4596

SS-300

Product Description

SS-300 is a fast curing silicone RTV adhesive rubber. SS-300 was developed for applications requiring gasoline resistance and fast development of physical properties, as well as fast unprimed adhesion. SS-300 is a 1-Part silicone that allows handling of the bonded assembly within one hour of application to the substrate. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperature.

Product Features

- ◆ Exceptional gasoline resistance
- ◆ Thixotropic paste
- ◆ Excellent unprimed adhesion to plastic, metal and glass
- ◆ Very fast onset of adhesion
- ◆ Exceptional fuel resistance
- ◆ Non-corrosive oxime cure

Color: Black

(custom colors available upon request)

Typical Applications

- ◆ Aftermarket adhesive sealant
- ◆ Automotive form in place gaskets
- ◆ Assembly line adhesive

Fast Cure Gasoline Resistant Silicone RTV Adhesive Sealant

Typical Properties

UNCURED

Viscosity, cps	500,000
Specific Gravity	1.28
Consistency :	thixotropic paste
Working time, mins. @ R.T.:	8
Tack Free Time, mins. @ R.T.:	20
Application Rate, 90 PSI, g/min. 3mm orifice @ 0.6 MPa	400

CURED - R.T.

Cured -72 Hrs. @ R.T.	
Tensile Strength, PSI	300
Elongation, %	260
Durometer, Shore A	38
Peel Strength, PPI	40

GASOLINE IMMERSION RESULTS

7 days @ 21C	
Durometer	33 (12.1%)
Tensile	150 (50.0%)
Elongation	200 (22.5%)
Swell	25%

Method of Application

Dispense sealant onto part, mate parts. Do not 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 to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber.

Solids

98% solids, contains no solvents

Adhesion

Primerless adhesion to most plastics, metals and glass.

Service temperature

-65 to 260 C

Limitations

Do not use product on head gaskets, solvent or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging

SS-300 is available in 10.3 oz. cartridges, 50 lb. pails and 500 lb. drums. This product is also available in customer defined packaging sizes, 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 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 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 ****