

SILICONE SOLUTIONS

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SS-301A

Product Description

SS-301A is a fast curing silicone RTV adhesive rubber developed for applications requiring fast development of physical properties and fast unprimed adhesion. SS-301A is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within an hour. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. SS-301A works well in manual and automatic dispensing equipment.

Product Features

- ◆ Fast R.T. cure
- ◆ Thixotropic paste
- ◆ Excellent unprimed adhesion to all rubbers, metals and most composites and plastics (including Polystyrene, Polycarbonate, Nylon, and PVC Pipe)
- ◆ Rapid onset of adhesion
- ◆ High temperature resistant
- ◆ Non-corrosive oxime cure
- ◆ Temperature range -65 to 260C

Typical Applications

- ◆ Industrial bonding
- ◆ Form in place gaskets
- ◆ Adhesive Sealant

Colors: White

(Custom colors available upon request)

Difficult Substrates Silicone RTV Adhesive

Typical Properties

UNCURED

Viscosity, cps	400,000
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	>1000

CURED - R.T.

Cured -72 Hrs. @ R.T.

Tensile Strength, PSI	275
Elongation, %	350
Durometer, Shore A	35
Peel Strength, PPI	20
Dielectric Strength, KV/mm	21
Dielectric Constant	3.2
Dissipation Factor	0.2
Volume Resistivity	5 x 10 ¹⁵

Method of Application

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

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.

Chemical cure system

Oxime cure system

Packaging

SS-301A 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.

Solids

96% solids

Service Temperature

-65 to 260C

Adhesion

Primerless adhesion to most plastics, metals and typical substrates.

Limitations

Do not use product on head gaskets 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.

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.

Applicable standards

Conforms to GM 9985675 and GM low volatility requirements.

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 ****