

SILICONE SOLUTIONS

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SS-67B / SS-67C

Product Description

SS-67B and SS-67C are fast curing, high strength, 1-part acetoxy silicone RTV adhesive rubber products developed for silicone rubber bonding. Both products are designed for situations requiring fast development of physical properties. SS-67C is intended for applications demanding very high elongation (over 1000%). When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. SS-67B and SS-67C work well in manual and automatic dispensing equipment.

Product Features

- ◆ Fast R.T. cure
- ◆ Thixotropic paste
- ◆ Excellent unprimed adhesion to silicone rubber parts
- ◆ Very high elongation silicone rubber (67C)
- ◆ Convenient, heat accelerated instant cure capability

Typical Applications

- ◆ Silicone rubber bonding and splicing
- ◆ Silicone component fabrication
- ◆ Prosthetic assembly and repair

Color: Translucent
(custom colors available upon request)

Fast Cure Silicone Rubber Parts Bonder

Typical Properties

UNCURED

Viscosity, cps	500,000
Specific Gravity	1.12
Consistency :	thixotropic paste
Working time, mins	4
Tack Free Time, mins.	12
Application Rate, 90 PSI, g/min.	250
3mm orifice @ 0.6 MPa	

BOTH CURED - R.T.

Physical Properties	<u>67B</u>	<u>67C</u>
Tensile Strength, PSI	750	700
Elongation, %	750	>1000
Durometer, Shore A	40	30
Peel Strength, PPI	100	100
Tear Strength, PPI	100	100
Thermal Conductivity	0.0005	
Coefficient of Thermal Expansion	20 x 10 ⁻⁵	

Method of Application

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

Heat Accelerated Curing

Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. However, cure speed can be accelerated with hot air to nearly instant cures exhibiting very fast adhesion. A one minute hot air stream exposure, followed by a one minute cool down in a humid environment, results in cured elastomer exhibiting outstanding adhesion.

Packaging

SS-67B and SS-67C are available in 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes upon request.

Chemical cure system

Acetoxy cure system

Solids

98% solids, contains no solvents

Service Temperature

-45-260C

Adhesion

Primerless adhesion to silicone rubber parts.

Limitations

Allow sealant 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.

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 ****