

SILICONE SOLUTIONS

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SS-109

Product Description

SS-109 is a fast curing, high strength acetoxysilicone RTV adhesive rubber developed for applications requiring fast development of physical properties and excellent adhesion. SS-109 is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within minutes. SS-109 works well in manual and automatic dispensing equipment.

Product Features

- ◆ Fast R.T. cure
- ◆ Thixotropic paste
- ◆ Excellent unprimed adhesion to metals and glass
- ◆ Temperature range -45 to 260C

Typical Applications

- ◆ Assembly line adhesive
- ◆ Adhesive Sealant
- ◆ Form in place gaskets

High Strength, Fast Cure Adhesive Sealant

Typical Properties

UNCURED

Color	Translucent
Viscosity, cps	500,000
Specific Gravity	1.07
Consistency :	thixotropic paste
Working time, mins @ R.T.:	4
Tack Free Time, mins. @ R.T.:	12
Application Rate, 90 PSI, g/min.	250

CURED - R.T.

Cured - 72 Hrs. @ R.T.	
Tensile Strength, PSI	600
Elongation, %	700
Durometer, Shore A	34
Tear, PLI	75
Dielectric Strength, V/mil	>500
Dielectric Constant	2.8
Dissipation Factor	0.001
Volume Resistivity	2.0 X 10¹⁴
Thermal conductivity	0.0005
Coefficient of Thermal Expansion	20 x 10⁻⁵

Chemical cure system

Acetoxysilicone 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 durable adhesive rubber.

Packaging

SS-109 is 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.

Solids

98% solids, contains no solvents

Adhesion

Primerless adhesion to most plastics, metals and typical substrates.

Service temperature

-45 to 260C

Limitations

Do not use product on head gaskets, or in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service. Insure 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 ****