

SILICONE SOLUTIONS

1670-C Enterprise Parkway
Twinsburg, Ohio 44087

Phone (330) 405-4595

Fax (330) 405-4596

SS-5900

Product Description

SS-5900 is a fast curing, heavy bodied silicone RTV adhesive rubber. This product was developed for applications requiring fast development of physical properties and fast unprimed adhesion. SS-5900 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 typical automotive fluids and high temperatures. SS-5900 works well in manual and automatic dispensing equipment.

Product Features

- ◆ Fast R.T. cure
- ◆ Thixotropic, heavy bodied paste
- ◆ Excellent unprimed adhesion to most plastics, metal and glass
- ◆ Non-corrosive oxime cure
- ◆ Rapid onset of adhesion
- ◆ High temperature resistance
- ◆ Temperature range -65 to 550F

Color: Black

(custom colors available upon request)

Typical Applications

- ◆ Form in place gaskets
- ◆ Adhesive Sealant
- ◆ Automotive assembly and MRO

Chemical cure system

Oxime cure system

Heavy Bodied Automotive Silicone RTV Gasket Maker

Typical Properties

UNCURED

Viscosity, cps	800,000
Specific Gravity	1.33
Consistency :	thixotropic paste
Working time, mins. @ R.T.:	5
Tack Free Time, mins. @ R.T.:	10
Application Rate, 90 PSI, g/min. 3mm orifice @ 0.6 MPa	45 to 60

CURED - R.T.

Cured -24 Hrs. @ R.T.	
Tensile Strength, PSI	>250
Elongation, %	>250
Durometer, Shore A	40
Peel Strength, PPI	>50
Tear Strength, PLI	>50

Method of Application

Dispense sealant onto part and mate parts. Do not squeeze all 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 with exposure to ambient humidity. This method of application will result in a room temperature cured elastomer with very high adhesive properties.

Solids

98% solids, contains no solvents

Adhesion

Primerless adhesion to most plastics, metals and glass

Service temperature

-65 to 550F

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.

Packaging

SS-5900 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.

Applicable Standards and O.E.M. part number interchange

- **Chrysler** - 4883971 and GF-44-A
- **Daewoo** - PS9120016
- **Ford** - WSE-M4G-323-A6
- **G.M.** - 1237849, 998-5990, 123446286
- **Land Rover** – LRNA-25223
- **Mercedes Benz** – A0029897320
- **Mitsubishi** – 3M8663, 3M8672, 3M8678, 3M8679, 3M8661
- **Saturn** – 2109581

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 ****

