

## **SILICONE SOLUTIONS**

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# **SS-30**

## **Product Description**

SS-30 is a fast curing silicone RTV adhesive rubber developed for automotive gasketing applications requiring fast development of physical properties and fast unprimed adhesion. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. SS-30 is also designed for superior oil resistance.

## **Product Features**

- ◆ Fast R.T. cure
- ◆ Thixotropic paste
- ◆ Excellent unprimed adhesion to plastic, metal and glass
- ◆ Very fast onset of adhesion
- ◆ Exceptional oil resistance
- ◆ Good hydrolytic stability
- ◆ Able to bond through oil
- ◆ Non-corrosive oxime cure
- ◆ Temperature range -65 to 260C

**Colors:** Black, blue, red, gray, copper  
(custom colors available upon request)

## **Typical Applications**

- ◆ Aftermarket adhesive sealant
- ◆ Automotive form in place gaskets
- ◆ Situations where the gasket flange is contaminated with oil
- ◆ Pressure can dispensing RTV

## **Service temperature**

-65 to 260C

# **High Performance Automotive Silicone RTV Gasket Maker**

## **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.:	14
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	38
Peel Strength, PPI	20
Oil resistance - 5W30, 14 days 150C	
Durometer	33 (12.1%)
Tensile	215 (22.0%)
Elongation	428 22.5%

## **Method of Application**

Dispense sealant onto part. Mate parts, ensuring not all of the product is squeezed out of flange assembly. Allow to cure.

## **Chemical cure system**

Oxime cure system

## **Solids**

98% solids, contains no solvents

## **Curing**

Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion.

## **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.

## **Packaging**

SS-30 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.

## **Applicable standards and O.E.M. part number interchange**

- **Chrysler** - 4206070, 4318025
- **Ford** - D6AZ-19562-B, E8AZ-19562-A, WSE-M46320-A2
- **G.M.** - 9985675, 1052751, 1052917, 12345739

## **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 \*\***

