

# SILICONE SOLUTIONS

1670-C Enterprise Parkway  
Twinsburg, Ohio 44087

Phone (330) 405-4595

Fax (330) 405-4596

## SS-3003

### Product Description

SS-3003 is a heat curing, high strength a silicone RTV rubber developed for silicone rubber applications requiring a tough low durometer product. SS-3003 is a 2-Part silicone that when cured, allows handling of the parts within minutes. SS-3003 works well in manual and automatic dispensing equipment.

### Product Features

- ◆ Fast 1 to 10min. heat cure
- ◆ Convenient 1:1 mix ratio
- ◆ 15 shore A durometer
- ◆ Pourable
- ◆ Temperature range -40 to 260C

### Typical Applications

- ◆ Silicone rubber parts
- ◆ Silicone gasket fabrication
- ◆ Prosthetic components

### Packaging

SS-3003 is available in dual syringes, 40 lb. pail kits and 400 lb. drum kits. This product is also available in customer defined packaging sizes, upon request.

## Low Durometer Heat Cure Silicone Rubber

### Typical Properties

#### UNCURED

Color	Translucent
Viscosity, cps	50,000
Specific Gravity	1.05
Consistency :	thick liquid
Working time, mins @ R.T.:	60 minutes
Cure time @ 150 C:	1-10 minutes

#### CURED -

Cured -	
Tensile Strength, PSI	200
Elongation, %	1000
Durometer, Shore A	15
Tear Strength, PPI	60
Coefficient of Thermal Expansion	20 x 10 <sup>-5</sup>

### Handling precautions

This is a Platinum Cure system product. The catalyst can be deactivated by exposure to sulfur containing compounds like thiols, sulfides, sulfates, organic rubber containing sulfur, nitrogen containing compounds like amines, amides, imides, azides, tin metals or compounds, or tin cured RTV's.

## **Storage**

**Part A & B must be kept dry and away from moisture**

## **Chemical Cure System**

**Addition Cure System**

## **Solids**

**>99% solids, contains no solvents**

## **Limitations**

**Do not use product on automotive head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges or parts to be bonded 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 can irritate 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 \*\***