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# SS-2005

## Product Description

SS-2005 is a high performance thermally conductive liquid gap filling material. It is formulated to develop a soft, form in place elastomer ideal for coupling hot PC board components to heat sinks. It is supplied as a two part, 1:1 mix ratio silicone that when mixed, cures at room temperature, or when exposed to heat results in a cured elastomer in 5 minutes.

## Product Features

- No odor or byproducts
- 100% solids liquid
- High 2.2 W/m-K thermal conductivity
- Convenient 1:1 mix ratio

## Typical Applications

- Electronic component thermal dissipation
- Coupling electronic components
- Form in place heat sink

## Chemical Cure System

Platinum catalyzed



# Gap Filler 2005 Thermally Conductive Silicone Rubber

## Typical Properties

Color	White
Viscosity, cps	250,000
Specific Gravity	3.0
Consistency	Thixotropic
Pot life @ RT	180 Minutes
Cured @ 150°C	5 Minutes
Durometer	80 Shore 00
Dielectric Strength	500 volts/mil
Dielectric Constant	7
	100 Hz
Volume Resistivity	10 <sup>12</sup> Ohms/M
Thermal Conductivity	2.2 W/m-K

## 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.

## Solids

**100% solids**

## **Adhesion**

**Primerless adhesion to most metals and typical substrates.**

## **Limitations**

**Allow 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 the SDS.**

## **Shelf Life**

**Sealed containers are guaranteed for 12 months from the ship date when stored in a cool dry area below 70°F.**

**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/her 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 that 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\*\*\*\*\***

## **Limited Warranty**