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# SS-6139

## Product Description

SS-6139 is a room temperature curing silicone RTV gel developed for electronic applications requiring a repenetrable self-sealing, silicone gel product. SS-6139 is a 2-part, 1:1 mix ratio silicone that when mixed at room temperature, cures overnight or when exposed to heat, results in a 15 minute cure.

## Product Features

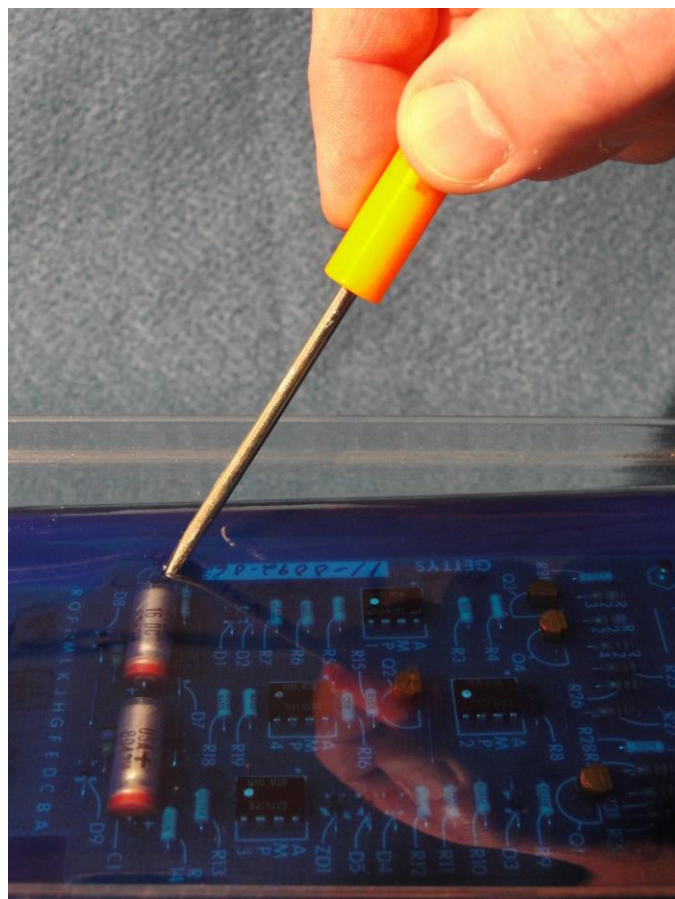
- Self-sealing over a long life
- Convenient 1:1 mix ratio
- Excellent repenetrability and conformation to plastic, metal and glass

## Typical Applications

- Assemblies requiring inspection with probes
- Electronic component vibration, shock and thermal insulation
- Transparent dielectric insulation
- Dust and moisture protection
- Potting and encapsulation

## Chemical Cure System

Platinum catalyzed, addition cure



# Repenetrable Silicone Gel

## Typical Properties

Color	Transparent blue
Viscosity, cps	1,000
Specific Gravity	0.98
Consistency	Light liquid
Work Time @ RT	>120 Minutes
Cured @ RT	12 Hours
Cured @ 150°C	15 Minutes
Dielectric Strength	>10 KV/mm
Dielectric Constant	2.8
Dissipation Factor	0.001
Volume Resistivity	1.0 x 10 <sup>15</sup>
Coefficient of Thermal Expansion	1 x 10 <sup>-3</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.**

## **Solids**

**98% solids**

## **Limitations**

**Allow to fully cure before putting assembly into service.**

## **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.**

## **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/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\*\*\*\*\***