



## US-VSD-15183

### Very Low Specific Gravity 2 Part Encapsulant Silicone Gel for Electronics

**US-VSD-15183** is a room temperature curing silicone RTV gel developed for applications requiring a low specific gravity silicone gel product. This is a two part, 1:1 mix ratio silicone. Room temperature mixing results in a cure time of 1 hour. It can also be heat cured at 150°C to yield a cure time of less than 15 minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

#### Product Features

Addition cure liquid  
Excellent moldability and conformation to plastic, metal and glass parts  
Convenient 1:1 mix ratio

**Color:** Light Blue (custom colors available upon request)

#### Typical Applications

Electronic component vibration,  
shock and thermal insulation  
Potting and encapsulation  
Dust and moisture protection  
Dielectric and insulation

**Chemical cure system:** Platinum catalyzed, addition cure system.

#### Typical Properties [Download PDF for Electrical Specifications\\*](#)

	Part A	Part B
Uncured		
Viscosity, cps	1,000	1,000
Specific Gravity	0.76	0.76

Consistency mixed: light liquid  
Pot-life at Room Temperature: 30 minutes  
90% cure at Room Temperature 45 minutes  
Cure time at Room Temperature: 1 hour  
Cure time at 150 C 15 minutes

**Mixing Instructions:** The preferred method of mixing and application is by hand using a 1:1 mix ratio by volume and then degassing. It can also be mixed and dispensed through automatic equipment.

**Handling precautions:** Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated.

**Depth of cure vs time:** In 1 hour, any depth of application filled with this product will be cured and fully encapsulated.

**Solids:** 98% solids, contains no solvents

**Adhesion:** Offers minimal adhesion to most metals, plastics and types of glass.

**Service temperature:** -65 to 250C continuous

**Limitations:** Do not use product on head gaskets or in fuel or solvent immersion applications. Allow to fully cure before putting assembly into service.

**Packaging:** Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 50 ml. dual syringes, one pound kits, 20 lb. kits and 100 lb. kits. 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.

**Packaging:** Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 50 ml.dual syringes, one pound, 12 lb. and 60 lb. kits.

**Shelf-life:** Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

**Applicable standards:** Conforms to GM low volatility requirements.