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SS-6010

Product Description

SS-6010 is a heat curing low durometer silicone RTV gel. It was developed for applications requiring a very soft silicone gel product. It is a 2-part, 1:1 ratio silicone that when mixed at room temperature, cures in 180 minutes, or when exposed to heat results in a cured gel in <15 minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

- Excellent moldability and conformation to plastic, metal and glass parts
- Convenient 1:1 mix ratio

Typical Applications

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

Chemical Cure System

Platinum catalyzed, addition cure



Gels, Low Duro Silicone Rubber

Typical Properties

Color	Clear
Viscosity, cps	1,000
Specific Gravity	0.90
Consistency	Light liquid
Work Time @ RT	120 Minutes
Cured @ RT	180 Minutes
Cured @ 150°C	15 Minutes
Durometer	<0 Shore 00
Dampening	Very high
Penetration	>80
Dielectric Strength	>10 KV/mm
Dielectric Constant	2.8
Dissipation Factor	0.001
Volume Resistivity	1.0 x 10 ¹⁵
Coefficient of Thermal Expansion	1.0 x 10 ⁻³

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. Ensure enough product remains between flanges to be effective in an assembly.

Adhesion

Peelable & adhesive versions available. Please specify when ordering.

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.

Applicable Standards

Conforms to GM low volatility requirements.

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*****