

Momentive Performance Materials RTV6136 Potting/Encapsulating Gel

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone , Silicone, RTV, Encapsulation Grade

Material Notes:

Two-part addition cure. Two-part addition cure RTV silicones can be cured very quickly with the use of high heat. Addition cure products have no cure by-products and can be used to unlimited depths. Typical uses: Potting connectors for telecom. HEPA filter assemblies. "Tough" gel for greater tear resistance. Data provided by the manufacturer, GE Silicones. GE Silicones became a part of Momentive Performance Materials in 2006.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Momentive-Performance-Materials-RTV6136-PottingEncapsulating-Gel.php

Physical Properties	Metric	English	Comments
Density	0.980 g/cc	0.0354 lb/in ³	
Viscosity	750 cP @Temperature 25.0 °C	750 cP @Temperature 77.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	270 µm/m-°C @Temperature 20.0 °C	150 µin/in-°F @Temperature 68.0 °F	
Thermal Conductivity	0.190 W/m-K	1.32 BTU-in/hr-ft ² - °F	
Maximum Service Temperature, Air	204 °C	399 °F	Continuous useful temperature.
Minimum Service Temperature, Air	-50.0 °C	-58.0 °F	Continuous useful temperature.

Optical Properties	Metric	English	Comments
Refractive Index	1.41	1.41	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Dielectric Constant	2.8 @Frequency 1000 Hz	2.8 @Frequency 1000 Hz	
Dielectric Strength	20.5 kV/mm @Thickness 1.91 mm	521 kV/in @Thickness 0.0750 in	
Dissipation Factor	0.0010	0.0010	

Electrical Properties	@Frequency 1000 Hz Metric	@Frequency 1000 Hz English	Comments
Processing Properties	Metric	English	Comments
Processing Temperature	25.0 Â°C	77.0 Â°F	Cure time 30 min.
Pot Life	30.0 min @Temperature 25.0 Â°C	30.0 min @Temperature 77.0 Â°F	

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