

Momentive Performance Materials RTV627 Dark Gray General Purpose Potting/Encapsulating Compound

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: Power supply and flyback transformer encapsulation. 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-RTV627-Dark-Gray-General-Purpose-PottingEncapsulating-Compound.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	
Viscosity	1270 cP @Temperature 25.0 Â°C	1270 cP @Temperature 77.0 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	62	62	
Tensile Strength, Ultimate	3.24 MPa	470 psi	
Elongation at Break	60 %	60 %	
Tear Strength	3.40 kN/m	19.4 pli	Die B

Thermal Properties	Metric	English	Comments
CTE, linear	210 Âµm/m-Â°C @Temperature 20.0 Â°C	117 Âµin/in-Â°F @Temperature 68.0 Â°F	
Thermal Conductivity	0.310 W/m-K	2.15 BTU-in/hr-ftÂ²- Â°F	
Maximum Service Temperature, Air	204 Â°C	399 Â°F	Continuous useful temperature.
Minimum Service Temperature, Air	-60.0 Â°C	-76.0 Â°F	Continuous useful temperature.
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	5.70e+14 ohm-cm	5.70e+14 ohm-cm	

Electrical Properties	^{2.97} Metric	^{2.97} English	Comments
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	20.1 kV/mm	511 kV/in	
	@Thickness 1.90 mm	@Thickness 0.0748 in	
Dissipation Factor	0.0060	0.0060	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Processing Temperature	25.0 Â°C	77.0 Â°F	Cure time 2 hours.
Pot Life	120 min	120 min	
	@Temperature 25.0 Â°C	@Temperature 77.0 Â°F	

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