

Momentive Performance Materials RTV167 Electronic Grade Silicone Adhesive Sealant, Gray

Category : Polymer , Adhesive , Thermoset , Silicone , Silicone, RTV, Adhesive/Sealant Grade

Material Notes:

RTV160, RTV162, and RTV 167 adhesive sealants for GE silicones are one-component, ready-to-use electronic grade silicone sealants. They cure to a tough, resilient silicone rubber on exposure to atmospheric moisture at room temperature. These electronic grade silicone adhesive sealants differ somewhat in physical properties including consistency. Key Performance Properties: Non-corrosive to electronic metals, including copper and brass Low odor cure, releasing an alcohol vapor from the sealant surface during cure UL recognition Retains elastomeric properties for long periods at temperatures from 60Â°C to 205Â°C and for short periods up to 260Â°C One-component Cure at room temperature Excellent electrical insulation properties Excellent resistance to moisture, dust, dirt, UV, ozone, and chemicals 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-RTV167-Electronic-Grade-Silicone-Adhesive-Sealant-Gray.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	37	37	
Tensile Strength, Ultimate	5.49 MPa	797 psi	
Elongation at Break	600 %	600 %	
Peel Strength	14.0 kN/m	80.0 pli	1 in. x 8in. Stainless steel screen at 180Â° pull angle

Thermal Properties	Metric	English	Comments
CTE, linear	270 Âµm/m-Â°C	150 Âµin/in-Â°F	
	@Temperature 20.0 Â°C	@Temperature 68.0 Â°F	
Thermal Conductivity	0.209 W/m-K	1.45 BTU-in/hr-ftÂ²-Â°F	
Maximum Service Temperature, Air	204 Â°C	399 Â°F	Continuous
	260 Â°C	500 Â°F	Intermittent
Brittleness Temperature	-60.0 Â°C	-76.0 Â°F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.00e+15 ohm-cm	3.00e+15 ohm-cm	

Electrical Properties	Metric	English	Comments
Dielectric Constant	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	20.0 kV/mm	508 kV/in	
Dissipation Factor	0.0026 @Frequency 60 Hz	0.0026 @Frequency 60 Hz	

Processing Properties	Metric	English	Comments
Cure Time	200 min	4 hour	Tack-free

Descriptive Properties	Value	Comments
Application rate	180 g/min	
Color	Gray	
Consistency	Spreadable paste	

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