

## Momentive Performance Materials RTV8111 Silicone Rubber Compounds for Potting, Encapsulating and Sealing

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

### Material Notes:

RTV8111, RTV8112 and RTV8262 silicone rubber compounds are two-part silicone elastomers supplied in ready-to-use matched kits containing a base compound and curing agent. Mechanical and electrical properties for specimen cured 72 hours at 25°C and 50% relative humidity. Key Performance Properties: Conforms to the physical and electrical requirements of MIL-S-23586E Non-corrosive to copper Retention of elastomeric properties at high temperature up to 204°C (400°F) continuously for RTV8111 and RTV8112 up to 260°C (500°F) continuously for RTV8262 Excellent adhesion capabilities when used with primer Room temperature cure Composition free of solvents Applications: Typical applications include, but are not limited to the potting of electronic circuit modules, electrical connectors and coils, and other applications in electronics, military/defense and commercial aerospace industries. 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-RTV8111-Silicone-Rubber-Compounds-for-Potting-Encapsulating-and-Sealing.php](http://www.lookpolymers.com/polymer_Momentive-Performance-Materials-RTV8111-Silicone-Rubber-Compounds-for-Potting-Encapsulating-and-Sealing.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	
Viscosity	9900 cP	9900 cP	
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	
Tensile Strength, Ultimate	2.45 MPa	356 psi	
Elongation at Break	160 %	160 %	
Tear Strength	4.22 kN/m	24.1 pli	

Thermal Properties	Metric	English	Comments
CTE, linear	250 µm/m-°C @Temperature 20.0 °C	139 µin/in-°F @Temperature 68.0 °F	
Specific Heat Capacity	1.46 J/g-°C	0.350 BTU/lb-°F	
Thermal Conductivity	0.293 W/m-K	2.03 BTU-in/hr-ft²- °F	
Maximum Service Temperature, Air	204 °C	399 °F	

Minimum Service Temperature, Air Thermal Properties	-54.0 °C Metric	-65.2 °F English	Comments
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Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Dielectric Constant	3.3	3.3	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	19.7 kV/mm	500 kV/in	
Dissipation Factor	0.0055	0.0055	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Descriptive Properties	Value	Comments
Color	White	
Consistency	Easily Pourable	

## Contact Songhan Plastic Technology Co.,Ltd.

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