

Momentive Performance Materials RTV103 Black Adhesive Sealant, High Strength Paste

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

Material Notes:

One-part acetoxy cure. Acetoxy cure silicones are the most commonly used type of RTV materials and are considered GE Silicones' general purpose product line. Typical uses: High strength high performance seal; vertical and overhead use; electrical insulation; protect leads from mechanical shock; protect components from shock and vibration. 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-RTV103-Black-Adhesive-Sealant-High-Strength-Paste.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30	30	
Tensile Strength, Ultimate	2.75 MPa	399 psi	
Elongation at Break	450 %	450 %	
Adhesive Bond Strength	1.03 MPa	149 psi	Typical lap shear

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	205 Â°C	401 Â°F	Continuous useful temperature.
Minimum Service Temperature, Air	-60.0 Â°C	-76.0 Â°F	Continuous useful temperature.

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.8	2.8	
	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	19.5 kV/mm	495 kV/in	

Processing Properties	Metric	English	Comments
Processing Temperature	25.0 Â°C	77.0 Â°F	

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