

Momentive Performance Materials RTV5223 Neutral Cure, One Component RTV Adhesive Sealant

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

Material Notes:

RTV5220 series sealants are alkoxy neutral cure, one-component, ready to use silicone adhesive sealants exhibiting low modulus/high elongation that will maintain a strong bond even when exposed to extreme movement. RTV5220 series3 sealants are true neutral curing silicone sealants that release methyl alcohol during cure while exposed to atmospheric moisture at room temperature. Key Performance Properties: A non-corrosive curing process that does not produce exothermic heat or corrosive by-products. Can be used on most corrosion-sensitive electrical and electronic equipment with no adverse effect. Low modulus/high elongation sealant with primerless adhesion to most metals, painted surfaces and plastics, including polycarbonate and acrylic. Compatible with most sensitive metals and plastics. Withstands exposure to harsh environments such as chemical, ozone, moisture and weathering. Good tear resistance. Easy handling with no mixing, heating or solvent hazards. Low odor cure by-product. UL recognized component - file number E-36952. Retain elastomeric properties at temperatures of -75Å° to 1400Å°F. Applications: The RTV5220 series are low modulus/high elongation, alkoxy neutral one-part silicone sealants designed for use with glass, ceramic, metals, and plastics. RTV5220 sealants are well suited when bonding materials with large thermal coefficient of expansion properties, and dissimilar materials. Because they are one-part products, there is no mixing required. The sealant can be easily dispensed from simple bulk dispensing pumps or cartridges. Base/catalyst ratio control, static mixer maintenance, butterfly testing for mix uniformity, yield loss from base purging, and other activities/costs associated with two-part sealants are eliminated. 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-RTV5223-Neutral-Cure-One-Component-RTV-Adhesive-Sealant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	26	26	
Tensile Strength, Ultimate	2.600 MPa	377.1 psi	
Elongation at Break	750 %	750 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	5.40e+15 ohm-cm	5.40e+15 ohm-cm	
Dielectric Constant	3.9	3.9	
	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	16.5 kV/mm	419 kV/in	
	0.0010	0.0010	

Designation Factor Electrical Properties	Metric @ Frequency 60 Hz	English @ Frequency 60 Hz	Comments
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Processing Properties	Metric	English	Comments
Cure Time	200 min	3 hour	Tack-free
	1440 min	24.0 hour	To depth of 3.2 mm

Descriptive Properties	Value	Comments
Application rate	185 g/min	
Color	Black	
Sag/Slump	2.5 mm	
Tooling time	30 min	

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