

## Momentive Performance Materials RTV5249 Neutral Cure, One Component RTV Adhesive Sealant

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

### Material Notes:

RTV5240 series sealants are alkoxy neutral cure, one-component, ready to use, electronic grade silicone adhesive sealants exhibiting high strength that will maintain a strong bond even when exposed to moist environments. RTV5240 series sealant are true neutral curing silicone sealants that release methyl alcohol during cure while exposed to atmospheric moisture at room temperature. Unlike most alkoxy curing silicone sealants, RTV5240 series cures very rapidly. Key Performance Properties: A non-corrosive curing process that does not produce exothermic heat or corrosive by-products can be used on corrosion-sensitive electrical and electronic equipment with no adverse effect. Fast green strength build, fast cure (approximately 4x faster than traditional alkoxy sealants). Low odor cure by-product. Tough and resilient sealant with primerless adhesion to most metals, painted surfaces and plastics. UL recognized component, File number E-36952. Superior hydrolytic stability. The RTV5240 series has demonstrated that it is able to maintain adhesion to many substrates after 20 weeks immersion in 60°C water. Excellent electrical insulation properties. Withstands exposure to harsh environments such as chemical, ozone, moisture and weathering. Compatible with sensitive metals and plastics. Good tear resistance. Easy handling with no mixing, heating or solvent hazards. Retains elastomeric properties at temperatures of -75°F to 400°F. Applications: The RTV5240 series are recommended for use in aerospace, automotive, appliance and other industries which incorporate electronic components or sensitive metal or plastic substrates into a finished product. Electronic and integrated circuits, semi conductors, and copper connections are typical applications. These products are also suitable for use in moist environments. The products in this series have fast green strength development and a cure time faster than many two-part sealants. Since they are one-part products, there is no mixing required, and they can be easily dispensed from a simple bulk dispensing pump 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-RTV5249-Neutral-Cure-One-Component-RTV-Adhesive-Sealant.php](http://www.lookpolymers.com/polymer_Momentive-Performance-Materials-RTV5249-Neutral-Cure-One-Component-RTV-Adhesive-Sealant.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	
Tensile Strength, Ultimate	2.200 MPa	319.0 psi	
Elongation at Break	425 %	425 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.00e+15 ohm-cm	3.00e+15 ohm-cm	
	2.8	2.8	

Dielectric Constant Electrical Properties	Metric @Frequency 60 Hz	English @Frequency 60 Hz	Comments
Dielectric Strength	20.0 kV/mm	508 kV/in	
Dissipation Factor	0.0010 @Frequency 60 Hz	0.0010 @Frequency 60 Hz	

Processing Properties	Metric	English	Comments
Cure Time	45.0 min	0.750 hour	Tack-free
	360 min	6.00 hour	To depth of 3.2 mm

Descriptive Properties	Value	Comments
Application rate	300 g/min	
Color	Gray	
Sag/Slump	2.5 mm	
Tooling time	10 min	

## Contact Songhan Plastic Technology Co.,Ltd.

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