

Momentive Performance Materials RTV116 One Component Acetoxy Adhesive Sealant, Red

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

Material Notes:

RTV series one-component, ready-to-use adhesive sealants are extremely versatile. They cure to a tough, durable, resilient silicone rubber on exposure to atmospheric moisture at room temperature. Acetic acid vapors are released from the sealant surface as a by-product of cure. RTV116 sealant is a self-leveling, standard strength high temperature sealant. Key Performance Properties: One-component products Capability to cure at room temperature and ambient humidity Self adhesion properties Low temperature flexibility High temperature performance Excellent weatherability and ozone and chemical resistance Excellent electrical insulation properties Applications: Thin section potting, filling small surface voids, self leveling protective coating, electrical insulation where high temperature performance is required. FDA 21 CFR 177.2600 USDA NSF International Std. No. 51GE 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-RTV116-One-Component-Acetoxy-Adhesive-Sealant-Red.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	
Viscosity	25000 cP	25000 cP	
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	20	20	
Tensile Strength, Ultimate	2.45 MPa	356 psi	
Elongation at Break	350 %	350 %	
Adhesive Bond Strength	0.686 MPa	99.5 psi	At 100% cohesive failure
Peel Strength	4.38 kN/m	25.0 pli	At 100% cohesive failure using 1 in. x 8 in. stainless steel screen at 180° pull angle

Thermal Properties	Metric	English	Comments
CTE, linear	270 $\mu\text{m/m-}^{\circ}\text{C}$ @Temperature 20.0 $^{\circ}\text{C}$	150 $\mu\text{in/in-}^{\circ}\text{F}$ @Temperature 68.0 $^{\circ}\text{F}$	
Thermal Conductivity	0.209 W/m-K	1.45 BTU-in/hr-ft 2 - $^{\circ}\text{F}$	
Maximum Service Temperature, Air	260 $^{\circ}\text{C}$	500 $^{\circ}\text{F}$	Continuous

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-60.0 Â°C	-76.0 Â°F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+14 ohm-cm	2.00e+14 ohm-cm	
Dielectric Constant	2.8	2.8	
	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	16.0 kV/mm	406 kV/in	
Dissipation Factor	0.0010	0.0010	
	@Frequency 60 Hz	@Frequency 60 Hz	

Processing Properties	Metric	English	Comments
Cure Time	30 min	0.5 hour	Tack-free

Descriptive Properties	Value	Comments
Color	Red	
Consistency	Self-leveling	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China