

Parker Chomerics CHO-BOND® 1016 Electrically Conductive Sealant

Category : Other Engineering Material , Polymer , Thermoset , Silicone

Material Notes:

Description: CHO-BOND 1016 sealant is an electrically conductive, one-component RTV silicone which provides both environmental sealing and EMI shielding. This seal, filled with nickel-plated graphite particles, contains no acetic acid, and cures in the presence of moisture at room temperature. Skin formation takes only a few minutes and full property development takes one week. CHO-BOND 1016 sealant is ideal for outdoor enclosure applications where both EMI shielding and galvanic corrosion are requirements. This product should be stored at or below 77°F (25°C) Features: Excellent resistance to galvanic corrosion, Non-corrosive sealant, Cures in the presence of moisture, Needs no pressure during cure (excellent as a fillet seal), Rapid skin formation. Application: If CHO-BOND 1016 sealant is being applied to a non-silicone surface, a very thin coating of CHO-BOND 1086 primer must first be applied with a clean cloth. Before applying CHO-BOND 1016 sealant, primer must be allowed to dry 15-30 minutes. (Note: Primer is included in CHO-BOND 1016 sealant package). Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-BOND-1016-Electrically-Conductive-Sealant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.95 - 2.45 g/cc	1.95 - 2.45 g/cc	ASTM D792
Thickness	180 - 1020 microns	7.09 - 40.2 mil	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Shear Strength	>= 1.04 MPa	>= 151 psi	Lap; ASTM D1002

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-45.0 °C	-49.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.95 ohm-cm	<= 0.95 ohm-cm	DC; ASTM D2739
Shielding Effectiveness	<= 50 dB	<= 50 dB	CH-TP08

Processing Properties	Metric	English	Comments
Cure Time	10100 min @Temperature 25.0 °C	168 hour @Temperature 77.0 °F	
Shelf Life	9.00 Month	9.00 Month	

Processing Properties Descriptive Properties	Metric Value	English	Comments Comments
Binder	Silicone		
Consistency	Medium Paste		
Corrosion Resistance	15 mg		weight loss, CHO-TM 100
Coverage	18.1 cm ² /g		0.0254mm thickness
Filler	Nickel-plated graphite (Ni/c)		
Mix Ratio	1-part		by weight
Work Life	0.5 hr.		

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