

Parker Chomerics CHO-BOND 592 Conductive Epoxy

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy, Electrically Conductive

Material Notes:

Highly conductive silver-filled epoxy adhesive which combines the best properties of metals and organics. This two-component system is unique in that it combines long pot life, good electrical conductivity, excellent adhesion, low temperature cure, easy mix ratio, low viscosity, low coefficient of thermal expansion, very low thermal impedance, and good thermal shock resistance. Typical Applications: Connects dissimilar materials electrically and thermally; Excels as a sealant for microwave modules and components; Ideal for circuit board repair and grounding applications and Useful for EMI shielding Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-BOND-592-Conductive-Epoxy.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.35 - 2.85 g/cc	2.35 - 2.85 g/cc	
Thickness	25.4 microns	1.00 mil	Recommended

Mechanical Properties	Metric	English	Comments
Shear Strength	>= 10.3 MPa	>= 1500 psi	Lap

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	99.0 °C	210 °F	
Minimum Service Temperature, Air	-62.0 °C	-79.6 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.050 ohm-cm	<= 0.050 ohm-cm	DC

Processing Properties	Metric	English	Comments
Cure Time	5.00 min	0.0833 hour	
	@Temperature 302 °C	@Temperature 576 °F	
	15.0 min	0.250 hour	
	@Temperature 125 °C	@Temperature 257 °F	
	30.0 min	0.500 hour	
	@Temperature 100 °C	@Temperature 212 °F	
	60.0 min	1.00 hour	
	@Temperature 80.0 °C	@Temperature 176 °F	

Processing Properties	10100 min Metric	168 hour English	Comments
	@Temperature 24.0 °C	@Temperature 75.2 °F	produces lower electrical conductivity
Pot Life	240 - 360 min	240 - 360 min	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	2880 min	2880 min	
	@Temperature 5.00 °C	@Temperature 41.0 °F	
Shelf Life	9.00 Month	9.00 Month	

Descriptive Properties	Value	Comments
Binder	Epoxy	
Color	Silver	
Consistency	Nearly Liquid	
Coverage	170.3 cm ² /g	
Filler	Ag	
Mix Ratio	100 to 50	A:B
Working Life	4 hrs	

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