

Parker Chomerics CHO-BOND 589-29 Conductive Epoxy

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

Material Notes:

Low cost, highly conductive adhesive system which combines the strong adhesion characteristics of an epoxy with the superior conductivity of silver. CHO-BOND 589-29 adhesive meets the most exacting electrical requirements without the high temperatures, fluxes and expensive preparatory techniques usually required for conventional solder systems. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-BOND-589-29-Conductive-Epoxy.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.20 - 2.80 g/cc	2.20 - 2.80 g/cc	
Solids Content	100 %	100 %	
Thickness	254 microns	10.0 mil	Recommended

Mechanical Properties	Metric	English	Comments
Shear Strength	>= 4.48 MPa	>= 650 psi	
	9.66 MPa	1400 psi	
	@Temperature 116 °C, Time 900 sec	@Temperature 240 °F, Time 0.250 hour	Lap

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.050 ohm-cm	0.050 ohm-cm	R.T. cure
	<= 0.0020 ohm-cm	<= 0.0020 ohm-cm	
	@Temperature 116 °C, Time 900 sec	@Temperature 240 °F, Time 0.250 hour	DC

Processing Properties	Metric	English	Comments
Cure Time	15.0 min	0.250 hour	
	@Temperature 116 °C	@Temperature 241 °F	
	1440 min	24.0 hour	
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Processing Properties	Metric	English	Comments
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Descriptive Properties	Value	Comments
Binder	Epoxy	
Color	Silver	
Consistency	Thin Paste	
Coverage	156.1 cm ² /g	
Filler	AG	
Mix Ratio	7 to 100	
Work Life	0.5 hr	

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