

Parker Chomerics CHO-BOND 360-20 Conductive Epoxy

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

Material Notes:

Low cost, electrically conductive epoxy adhesive that combines the good adhesive characteristics as epoxy, and the superior electrical conductivity of silver. It is recommended as a thermo-setting EMI/RFI shielding compound and is effective even for designs requiring the use of a fillet as opposed to a flanged bead. Applications: Typically include sealing EMI/RFI leaks around vents, windows, and machined surfaces; the bonding and shielding of conduit bulkhead passthroughs. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-BOND-360-20-Conductive-Epoxy.php

Physical Properties	Metric	English	Comments
Specific Gravity	4.70 - 5.30 g/cc	4.70 - 5.30 g/cc	
Volatile Organic Compounds (VOC) Content	0.00 g/l	0.00 g/l	
Thickness	>= 254 microns	>= 10.0 mil	

Mechanical Properties	Metric	English	Comments
Shear Strength	11.0 MPa @Temperature 65.6 °C, Time 7200 sec	1600 psi @Temperature 150 °F, Time 2.00 hour	Lap

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	
Minimum Service Temperature, Air	-62.0 °C	-79.6 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.0050 ohm-cm @Temperature 65.6 °C, Time 7200 sec	<= 0.0050 ohm-cm @Temperature 150 °F, Time 2.00 hour	

Processing Properties	Metric	English	Comments
Cure Time	15.0 min @Temperature 115 °C	0.250 hour @Temperature 239 °F	
	45.0 min @Temperature 100 °C	0.750 hour @Temperature 212 °F	
	60.0 min	1.00 hour	

Processing Properties	Metric @ Temperature 95.0 °C	English @ Temperature 203 °F	Comments
	120 min	2.00 hour	
	@Temperature 66.0 °C	@Temperature 151 °F	
	1440 min	24.0 hour	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Pot Life	60 min	60 min	
Shelf Life	9.00 Month	9.00 Month	

Descriptive Properties	Value	Comments
Binder	Epoxy	
Consistency	Medium Paste	
Coverage	7.1 cm ² / g	
Filler	Ag/Cu	
Mix Ratio	1:1	
Working Life	1 hr	

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