

Parker Chomerics CHO-SHIELD® 610 A/B Conductive Epoxy Paint

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy, Electrically Conductive , Filled/Reinforced Thermoset

Material Notes:

Highly Conductive Epoxy Paint. This is a two-component, silver plated, copper-filled, highly conductive epoxy paint. This coating was developed for application to non-conductive plastic substrates to provide EMI shielding. Specifically, this coating is designed for use in hostile environments where both high and shielding performance and strong resistance to environmental conditions are needed. CHO-SHIELD 610 A/B paint has been formulated to maintain excellent electrical conductivity and abrasion resistance when subject to high and low temperature extremes, high humidity, and salt fog corrosion environments. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SHIELD-610-AB-Conductive-Epoxy-Paint.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 - 1.31 g/cc	1.01 - 1.31 g/cc	
Volatile Organic Compounds (VOC) Content	591 g/l	591 g/l	
Thickness	50.8 microns	2.00 mil	Recommended

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-65.0 °C	-85.0 °F	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	0.15 ohm @Thickness 0.0508 mm	0.15 ohm @Thickness 0.00200 in	
Shielding Effectiveness	>= 120 dB	>= 120 dB	20 MHz - 10 GHz

Processing Properties	Metric	English	Comments
Cure Time	240 min @Temperature 79.4 °C	4.00 hour @Temperature 175 °F	
	10100 min @Temperature 23.0 °C	168 hour @Temperature 73.4 °F	
Pot Life	480 min @Temperature 23.9 °C	480 min @Temperature 75.0 °F	
Shelf Life	9.00 Month	9.00 Month	@ 75°F

Descriptive Properties	Value	Comments
Binder	Epoxy	
Filler	Silver-plated-copper	
Mix Ratio	100:28.25	
Spraying Viscosity, #2 Zahn Cup, sec	23	
Theoretical Coverage ft ² /gal	718	
Work Life	480 min	

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