Parker Chomerics CHO-SHIELD® 579 Low VOC Silver Epoxy Coating

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

Description: CHO-SHIELD® 579 coating is a two component, silver-filled, highly conductive epoxy paint designed to provide EMI shielding when applied to a dielectric substrate. This coating was specially developed as a variant of CHO-SHIELD® with a lower VOC rating. CHO-SHIELD® 579 dries to the touch in less than 1 hour at room temperature and attains full chemical resistance after 1 week at room temperature. However, the best electrical properties are achieved by curing at elevated temperatures.Information provided by Chomerics

Order this product through the following link:
http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SHIELD-579-Low-VOC-Silver-Epoxy-Coating.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.80 g/cc	1.80 g/cc	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.060 ohm-cm @Temperature 24.0 °C, Time 3600 sec	0.060 ohm-cm @Temperature 75.2 °F, Time 1.00 hour	[ohm/sq], followed by 1 hour at 121°C

Processing Properties	Metric	English	Comments
Cure Time	60.0 min @Temperature 24.0 °C	1.00 hour @Temperature 75.2 °F	and 1 hour at 65.5°C, followed by 1 hour at 121°C
	60.0 min @Temperature 24.0 °C	1.00 hour @Temperature 75.2 °F	and 1 hour at 121°C
	60.0 min @Temperature 24.0 °C	1.00 hour @Temperature 75.2 °F	and 6 hours at 65.5°C
	60.0 min @Temperature 24.0 °C	1.00 hour @Temperature 75.2 °F	followed by 4 hours at 79.4°C
Pot Life	480 min	480 min	
Shelf Life	9.00 Month	9.00 Month	

Descriptive Properties	Value	Comments
Suggested Spraying Viscosity #2 Zahn Cup	18 - 24 sec	
Theoretical Yield	7200 in^2/lb	

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