

Parker Chomerics CHO-SHIELD® 2052 Conductive Coating

Category : Polymer , Adhesive , Thermoset , Acrylic/Cyanoacrylate Adhesive

Material Notes:

CHO-SHIELD® 2052 silver-plated-copper filled commercial-grade coating proved high levels of EMI shielding effectiveness, abrasion resistance and excellent adhesion on a variety of materials used for electronic enclosures. Application: With their excellent leveling and uniformity, these coatings are compatible with all commercially available application technologies, including high volume/low pressure (HVLP) spray systems, and conventional propeller-agitated pressure pots. As low-settling compounds, they are ready for use after simple mixing in a paint shaker. They are supplied ready-to-spray, and don't required additional thinning, although MEK can be used. . Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SHIELD-2052-Conductive-Coating.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 - 1.30 g/cc	0.900 - 1.30 g/cc	
Volatile Organic Compounds (VOC) Content	765 g/l	765 g/l	
Thickness	50.8 microns	2.00 mil	Recommended

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	<= 0.050 ohm	<= 0.050 ohm	
	<= 0.040 ohm	<= 0.040 ohm	
	@Thickness 508 mm	@Thickness 20.0 in	
Shielding Effectiveness	>= 75 dB	>= 75 dB	100 MHz - 2 GHz; Chomerics TP08

Processing Properties	Metric	English	Comments
Cure Time	20.0 min	0.333 hour	Followed by 20 min 60°-75°C
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	1440 min	24.0 hour	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Binder	Acrylic	
Consistency	Thin Fluid	
Filler	Ag/Cu	
Mix Ratio	1-part	
Spraying Viscosity, #2 Zahn Cup	15 - 20 sec	
Theoretical Coverage	194 ft ² /gal	

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