

Parker Chomerics CHO-SHIELD® 2040 Silver-Filled Acrylic Coating for EMI Shielding

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

Material Notes:

Description: CHO-SHIELD® 2040 is an electrically conductive, one-component silver filled acrylic coating that is specially formulated for application on plastic to provide premium EMI/RFI shielding performance. CHO-SHIELD® 2040's robust formulation can be applied in both high and low volume paint application. CHO-SHIELD® 2040 is ideal for use on electronic enclosures and assemblies. CHO-SHIELD® 2040's composition allows for simple, standard application using conventional equipment with minimal dry-time and handling. CHO-SHIELD® 2040 is ideal for use on medical electronic enclosures and assemblies which require high level, reliable EMI shielding performance and may benefit from silver's antimicrobial properties. Application: Superior EMI shielding, Anti-static protection, Surface grounding, Coating of ABS, PC/ABS, and many other types of plastic enclosures. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SHIELD-2040-Silver-Filled-Acrylic-Coating-for-EMI-Shielding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 - 1.50 g/cc	1.10 - 1.50 g/cc	ASTM D792
Solids Content	42 %	42 %	
Volatile Organic Compounds (VOC) Content	741 g/l	741 g/l	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	85.0 °C	185 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	<= 0.025 ohm	<= 0.025 ohm	
	@Thickness 0.0250 mm	@Thickness 0.000984 in	
Shielding Effectiveness	73 dB	73 dB	
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	
	>= 75 dB	>= 75 dB	
	@Frequency 10000 - 8.00e+7 Hz	@Frequency 10000 - 8.00e+7 Hz	
	80 dB	80 dB	
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	

Electrical Properties	Metric	English	Comments
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	

Processing Properties	Metric	English	Comments
Dry Time	0.500 hour	0.500 hour	Tack Free
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	10 - 20.0 hour	10 - 20.0 hour	then 30 minutes at 65°C
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	24.0 hour	24.0 hour	Full Dry
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Adhesion	5B	ASTM D 3359
Coverage	267 sq ft/gal	at 0.001 in
Filler	Silver	
Polymer	Acrylic	
Suggested Spraying Viscosity #2 Zahn Cup	16 - 22 sec	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China