

Parker Chomerics CHO-SHIELD® 2054 Conductive Coating

Category : Polymer , Adhesive , Thermoset

Material Notes:

CHO-SHIELD® 2054 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-2054-Conductive-Coating.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 - 1.60 g/cc	1.20 - 1.60 g/cc	
Volatile Organic Compounds (VOC) Content	75 g/l	75 g/l	
Brookfield Viscosity	1200 - 1600 cP	1200 - 1600 cP	100 rpm. spindle #3 @ 25°C; Suggested Spraying Viscosity #2 Zahn Cup
Thickness	38.0 microns	1.50 mil	Recommended

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	75.0 °C	167 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	<= 0.030 ohm @Thickness 0.0381 mm	<= 0.030 ohm @Thickness 0.00150 in	
Shielding Effectiveness	75 dB	75 dB	minus water

Processing Properties	Metric	English	Comments
Cure Time	15.0 min @Temperature 24.0 °C	0.250 hour @Temperature 75.2 °F	followed by 30 min @ 65° -85°C
	1440 min @Temperature 24.0 °C	24.0 hour @Temperature 75.2 °F	

Shelf Life Processing Properties	12.0 Month Metric	12.0 Month English	Comments
Descriptive Properties	Value		Comments
Consistency	Thin Fluid		
Coverage	10.4 m ² /liter		0.025 mm thick
Filler	Silver plated Copper		
Mix	1-part		
Polymer	Water-based acrylic/urethane		

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