

## Parker Chomerics CHO-SHIELD® 2056 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-2056-Conductive-Coating.php](http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SHIELD-2056-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	750 g/l	750 g/l	
Thickness	>= 25.0 microns	>= 0.984 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	<= 0.030 ohm @Thickness 0.0250 mm	<= 0.030 ohm @Thickness 0.000984 in	
Shielding Effectiveness	55 dB @Frequency 2.00e+7 Hz	55 dB @Frequency 2.00e+7 Hz	26 in. x 26 in. test panel; TP08 Modified
	77 dB @Frequency 1.00e+8 Hz	77 dB @Frequency 1.00e+8 Hz	26 in. x 26 in. test panel; TP08 Modified
	83 dB @Frequency 1.00e+9 Hz	83 dB @Frequency 1.00e+9 Hz	26 in. x 26 in. test panel; TP08 Modified
	88 dB	88 dB	26 in. x 26 in. test panel; TP08

Electrical Properties	@Frequency 1.00e+10 Metric Hz	@Frequency 1.00e+10 English Hz	Modified Comments
	90 dB	90 dB	26 in. x 26 in. test panel; TP08 Modified
	@Frequency 2.00e+8 Hz	@Frequency 2.00e+8 Hz	
	92 dB	92 dB	26 in. x 26 in. test panel; TP08 Modified
	@Frequency 4.00e+9 Hz	@Frequency 4.00e+9 Hz	

Processing Properties	Metric	English	Comments
Cure Time	5.00 min	0.0833 hour	Followed by 30 min @ 60°-71°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
Consistency	Thin Fluid	
Filler	Silver-Plated Copper and Pure Silver Flakes	
Mix	1-part	
Polymer	Acrylic	
Theoretical Coverage	192 ft <sup>2</sup> /gal	
Viscosity #2 Zahn Cup	14-19 sec	Suggested

## Contact Songhan Plastic Technology Co.,Ltd.

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