

Parker Chomerics CHO-FOIL CCH Shielding Tape

Category : Polymer , Adhesive , Tape

Material Notes:

Conductive Adhesive Copper Foil Description: Chomerics' CHO-FOIL® tapes are an economical EMI shielding solution for a variety of commercial uses. The tapes are available in copper, aluminum, or tinned copper foil backed with Chomerics' highly conductive pressure-sensitive adhesive. **Typical Applications:** Provide a low impedance connection between a braided cable shield and the metal connector backshell in molded cables. An effective EMI shielded assembly can be achieved without soldering the tape to the braid or backshell; EMI radiation measurement troubleshooting, using CHO-FOIL tape to shield ventilation slots or seam gaps; Provide electrical continuity in seams of EMI shielded rooms and electronic enclosures; Supply electrical contact to surfaces that can't be soldered to, such as conductive plastic or aluminum; EMI shield for cables by wrapping the tape around the cable. An overlap is recommended; ESD shielding; Provide corrosion-resistant ground contact points; Fabric tape available where weight and flexibility are important, such as for wrapping cables.

Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-FOIL-CCH-Shielding-Tape.php

Physical Properties	Metric	English	Comments
Thickness	35.6 microns	1.40 mil	Foil thickness
	38.1 microns	1.50 mil	Adhesive thickness
	73.7 microns	2.90 mil	Total

Mechanical Properties	Metric	English	Comments
Peel Strength	0.491 kN/m	2.80 pli	Initial; ASTM D1000
	0.631 kN/m	3.60 pli	ASTM D1000
	@Temperature 85.0 °C, Time 605000 sec	@Temperature 185 °F, Time 168 hour	
	0.631 kN/m	3.60 pli	ASTM D1000
	@Temperature 121 °C, Time 605000 sec	@Temperature 250 °F, Time 168 hour	
Taber Abrasion, mg/1000 Cycles	<= 3.0	<= 3.0	500 gramweight. CS-10 wheel, 500 cycles; CHO-TP-57

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	205 °C	401 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
	<= 0.0030 ohm	<= 0.0030 ohm	Initial through resistivity (TR); CHO-TP-57
	<= 0.0060 ohm	<= 0.0060 ohm	Initial Taber Abrasion (SR); CHO-TP-57
	<= 0.010 ohm @Temperature 85.0 °C, Time 605000 sec	<= 0.010 ohm @Temperature 185 °F, Time 168 hour	(SR); CHO-TP-57
	<= 0.010 ohm @Temperature 121 °C, Time 605000 sec	<= 0.010 ohm @Temperature 250 °F, Time 168 hour	(SR); CHO-TP-57
	<= 0.016 ohm @Temperature 85.0 °C, Time 605000 sec	<= 0.016 ohm @Temperature 185 °F, Time 168 hour	(TR); CHO-TP-57
	<= 0.070 ohm @Temperature 121 °C, Time 605000 sec	<= 0.070 ohm @Temperature 250 °F, Time 168 hour	(TR); CHO-TP-57
Surface Resistivity per Square	<= 0.0030 ohm	<= 0.0030 ohm	[ohm/in ²]; <.0005 ohm/cm ² >; MIL-STD-202C

Descriptive Properties	Value	Comments
Adhesion to Aluminum	>40 oz./inch	ASTM D1000
Adhesive Type	Electrically Conductive, Pressure-Sensitive Acrylic	
Flame Resistance (UL Subject 510)	Pass	
Foil/Fabric Type	1 oz. RA Copper	

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