

Parker Chomerics CHO-FOIL CCE Shielding Tape

Category : Polymer , Adhesive , Tape

Material Notes:

Conductive Adhesive Copper FoilDescription: 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-CCE-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
	102 microns	4.00 mil	Total; Embossing adds 1.1 mil

Mechanical Properties	Metric	English	Comments
Peel Strength	0.491 kN/m	2.80 pli	Initial; ASTM D1000
	0.684 kN/m	3.90 pli	ASTM D1000
	@Temperature 85.0 °C, Time 605000 sec	@Temperature 185 °F, Time 168 hour	
Taber Abrasion, mg/1000 Cycles	3.70 kN/m	21.1 pli	ASTM D1000
	@Temperature 121 °C, Time 605000 sec	@Temperature 250 °F, Time 168 hour	
Taber Abrasion, mg/1000 Cycles	<= 5.0	<= 5.0	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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Surface Resistance Electrical Properties	≤ 0.0020 ohm Metric	≤ 0.0020 ohm English	Initial Surface Resistivity (SR) Comments
	≤ 0.0030 ohm	≤ 0.0030 ohm	Initial through resistivity (TR)
	≤ 0.0030 ohm	≤ 0.0030 ohm	Initial Taber Abrasion; CHO-TP-57
	≤ 0.0020 ohm @Temperature 85.0 °C, Time 605000 sec	≤ 0.0020 ohm @Temperature 185 °F, Time 168 hour	(SR); CHO-TP-57
	≤ 0.0030 ohm @Temperature 85.0 °C, Time 605000 sec	≤ 0.0030 ohm @Temperature 185 °F, Time 168 hour	(TR); CHO-TP-57
	≤ 0.0030 ohm @Temperature 121 °C, Time 605000 sec	≤ 0.0030 ohm @Temperature 250 °F, Time 168 hour	(SR); CHO-TP-57
	≤ 0.0030 ohm @Temperature 121 °C, Time 605000 sec	≤ 0.0030 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)	Meets	
Foil/Fabric Type	1 oz. Embossed 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