

Parker Chomerics CHO-FOIL CCK Shielding Tape

Category : Polymer , Adhesive , Tape

Material Notes:

Conductive Adhesive Tin-plated 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-CCK-Shielding-Tape.php

Physical Properties	Metric	English	Comments
Thickness	38.1 microns	1.50 mil	Adhesive thickness
	40.6 microns	1.60 mil	Foil thickness
	78.7 microns	3.10 mil	Total

Mechanical Properties	Metric	English	Comments
Peel Strength	0.508 kN/m	2.90 pli	ASTM D1000
	0.859 kN/m	4.90 pli	95% RH; ASTM D1000
	@Temperature 85.0 °C	@Temperature 185 °F	
	0.561 kN/m	3.20 pli	ASTM D1000
	@Temperature 121 °C, Time 605000 sec	@Temperature 250 °F, Time 168 hour	
	0.736 kN/m	4.20 pli	ASTM D1000
	@Temperature 85.0 °C, Time 605000 sec	@Temperature 185 °F, Time 168 hour	
	0.841 kN/m	4.80 pli	Salt fog corrosion; ASTM D1000
	@Time 605000 sec	@Time 168 hour	
Taber Abrasion, mg/1000 Cycles	<= 6.0	<= 6.0	500 gramweight. CS-10 wheel, 500 cycles; CHO-TP-57

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

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 0.0020 ohm	<= 0.0020 ohm	Initial Surface Resistivity (SR); CHO-TP-57
	<= 0.0020 ohm	<= 0.0020 ohm	Initial through resistivity (TR); CHO-TP-57
	<= 0.0090 ohm	<= 0.0090 ohm	Initial Taber Abrasion; CHO-TP-57
	<= 0.0020 ohm @Temperature 85.0 °C	<= 0.0020 ohm @Temperature 185 °F	95% RH; (SR); CHO-TP-57
	<= 0.0020 ohm @Temperature 85.0 °C	<= 0.0020 ohm @Temperature 185 °F	95% RH; (TR); 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
	<= 0.0020 ohm @Temperature 85.0 °C, Time 605000 sec	<= 0.0020 ohm @Temperature 185 °F, Time 168 hour	(TR); CHO-TP-57
	<= 0.0020 ohm @Temperature 121 °C, Time 605000 sec	<= 0.0020 ohm @Temperature 250 °F, Time 168 hour	(SR); CHO-TP-57
	<= 0.0020 ohm @Temperature 121 °C, Time 605000 sec	<= 0.0020 ohm @Temperature 250 °F, Time 168 hour	(TR); CHO-TP-57
	<= 0.0020 ohm @Time 605000 sec	<= 0.0020 ohm @Time 168 hour	Salt fog corrosion; (SR); CHO-TP-57
	<= 0.0020 ohm @Time 605000 sec	<= 0.0020 ohm @Time 168 hour	Salt fog corrosion; (TR); CHO-TP-57
	<= 0.0030 ohm	<= 0.0030 ohm	[ohm/in ²]; <.0005 ohm/cm ² >; MIL-STD-202C
	<= 0.0030 ohm	<= 0.0030 ohm	
	<= 0.0030 ohm	<= 0.0030 ohm	

Descriptive Properties	Value	Comments
Adhesion to Aluminum	>40 oz./inch	ASTM D1000
Adhesive Type	Electrically Conductive, Pressure-Sensitive Acrylic	

Descriptive PropertiesSubject 510)	Value	Comments
Foil/Fabric Type	1 oz. Tin-Plated Copper	

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