

Parker Chomerics CHO-FOIL CAD Shielding Tape

Category : Polymer , Adhesive , Tape

Material Notes:

Conductive Adhesive Aluminum 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-CAD-Shielding-Tape.php

Physical Properties	Metric	English	Comments
Thickness	50.8 microns	2.00 mil	Foil thickness
	76.2 microns	3.00 mil	Adhesive thickness (2-sided)
	127 microns	5.00 mil	Total

Mechanical Properties	Metric	English	Comments
Peel Strength	0.771 kN/m	4.40 pli	Initial; ASTM D1000
	0.929 kN/m	5.30 pli	95% RH; ASTM D1000
	@Temperature 85.0 °C	@Temperature 185 °F	
	0.841 kN/m	4.80 pli	ASTM D1000
	@Temperature 85.0 °C, Time 605000 sec	@Temperature 185 °F, Time 168 hour	
0.929 kN/m	5.30 pli	ASTM D1000	
@Temperature 121 °C, Time 605000 sec	@Temperature 250 °F, Time 168 hour		
0.877 kN/m	5.00 pli	Salt fog corrosion; ASTM D1000	
@Time 605000 sec	@Time 168 hour		

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

Minimum Service Temperature, Air Thermal Properties	-40.0 °C Metric	-40.0 °F English	Comments
Electrical Properties	Metric	English	Comments
Surface Resistance	<= 0.10 ohm	<= 0.10 ohm	Initial through resistivity (TR); CHO-TP-57
	<= 0.15 ohm @Temperature 85.0 °C	<= 0.15 ohm @Temperature 185 °F	95% RH; (TR); CHO-TP-57
	<= 0.010 ohm @Temperature 121 °C, Time 605000 sec	<= 0.010 ohm @Temperature 250 °F, Time 168 hour	(TR); CHO-TP-57
	<= 0.060 ohm @Temperature 85.0 °C, Time 605000 sec	<= 0.060 ohm @Temperature 185 °F, Time 168 hour	(TR); CHO-TP-57
	<= 0.60 ohm @Time 605000 sec	<= 0.60 ohm @Time 168 hour	Salt fog corrosion; (TR); CHO-TP-57
Surface Resistivity per Square	<= 0.010 ohm	<= 0.010 ohm	[ohm/in ²]; <.0016 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	Aluminum	

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