Parker Chomerics CHO-FOIL CCJ 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 pressuresensitive 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-CCJ-Shielding-Tape.php

Physical Properties	Metric	English	Comments
Thickness	38.1 microns	1.50 mil	Adhesive thickness
	50.8 microns	2.00 mil	Foil thickness
	88.9 microns	3.50 mil	Total

Mechanical Properties	Metric	English	Comments
Peel Strength	0.561 kN/m	3.20 pli	Initial; ASTM D1000
	1.40 kN/m	8.00 pli	
	@Temperature 85.0 °C, Time 605000 sec	@Temperature 185 °F, Time 168 hour	ASTM D1000
	4.70 kN/m	26.8 pli	
	@Temperature 121 °C, Time 605000 sec	@Temperature 250 °F, Time 168 hour	ASTM D1000
Taber Abrasion, mg/1000 Cycles	<= 2.0	<= 2.0	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



Electrical Properties	Metric	English	loitial Surface Resistivity (SR); CHO- Comments	
	<= 0.035 ohm	<= 0.035 ohm	Initial through resistivity (TR); CHO- TP-57	
	<= 6.0 ohm	<= 6.0 ohm	Initial Taber Abrasion; CHO-TP-57	
	<= 0.020 ohm	<= 0.020 ohm		
	@Temperature <=85.0 °C, Time <=605000 sec	@Temperature <=185 °F, Time <=168 hour	(SR); CHO-TP-57	
	<= 0.020 ohm	<= 0.020 ohm		
	@Temperature <=121 @Tem °C, °F, Time <=605000 sec Time <	@Temperature <=250 °F, Time <=168 hour	(SR); CHO-TP-57	
	<= 0.022 ohm	<= 0.022 ohm		
	@Temperature <=85.0 °C, Time <=605000 sec	@Temperature <=185 °F, Time <=168 hour	(TR); CHO-TP-57	
	<= 0.023 ohm	<= 0.023 ohm		
	@Temperature <=121 °C, Time <=605000 sec	@Temperature <=250 °F, Time <=168 hour	(TR); CHO-TP-57	
Surface Resistivity per Square	<= 0.010 ohm	<= 0.010 ohm	[ohm/in ^{2^{]; <.0016 ohm/cm²; 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	Aluminum	

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