Parker Chomerics CHO-FAB CFT Shielding Tape

Category : Polymer , Adhesive , Tape

Material Notes:

Conductive Adhesive Nickel-Plated FabricDescription: CHO-FAB® tape is a corrosion resistant nickel-plated cloth coated with Chomerics' highly conductive pressure-sensitive adhesive. CHO-FAB® tape is extremely strong and lightweight, and has excellent conformability/wrapability to enhance shielding performance and appearance. Use of corrosion resistant nickel-plated cloth and Chomerics' superior metal-particle-filled conductive adhesive technology produces a tape used in a wide variety of EMI shielding and grounding applications. 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-FAB-CFT-Shielding-Tape.php

Physical Properties	Metric	English	Comments
Thickness	38.1 microns	1.50 mil	Adhesive thickness
	127 microns	5.00 mil	Fabric thickness
	165 microns	6.50 mil	Total

Mechanical Properties	Metric	English	Comments
Peel Strength	0.491 kN/m	2.80 pli	Initial; ASTM D1000
	0.508 kN/m @Temperature 85.0 °C	2.90 pli @Temperature 185 °F	95% RH; ASTM D1000
	0.473 kN/m @Temperature 121 °C, Time 605000 sec	2.70 pli @Temperature 250 °F, Time 168 hour	ASTM D1000
	0.649 kN/m @Temperature 85.0 °C, Time 605000 sec	3.70 pli @Temperature 185 °F, Time 168 hour	ASTM D1000
	0.368 kN/m @Time 605000 sec	2.10 pli @Time 168 hour	Salt fog corrosion; ASTM D1000
Taber Abrasion, mg/1000 Cycles	<= 175	<= 175	500 gramweight. CS-10 wheel, 500 cycles; CHO-TP-57

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	82.0 °C	180 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 0.10 ohm	<= 0.10 ohm	Initial Surface Resistivity (SR); CHO-TP-57
	<= 0.10 ohm	<= 0.10 ohm	Initial through resistivity (TR); CHO-TP-57
	<= 0.10 ohm	<= 0.10 ohm	Initial Taber Abrasion; CHO-TP-57
	<= 0.10 ohm @Temperature 85.0 °C	<= 0.10 ohm @Temperature 185 °F	95% RH; (SR); CHO-TP-57
	<= 0.15 ohm @Temperature 85.0 °C	<= 0.15 ohm @Temperature 185 °F	95% RH; (TR); CHO-TP-57
	<= 0.10 ohm @Temperature 85.0 °C, Time 605000 sec	<= 0.10 ohm @Temperature 185 °F, Time 168 hour	(SR); CHO-TP-57
	<= 0.10 ohm @Temperature 121 °C, Time 605000 sec	<= 0.10 ohm @Temperature 250 °F, Time 168 hour	(SR); CHO-TP-57
	<= 0.15 ohm @Temperature 121 °C, Time 605000 sec	<= 0.15 ohm @Temperature 250 °F, Time 168 hour	(TR); CHO-TP-57
	<= 0.15 ohm @Temperature 85.0 °C, Time 605000 sec	<= 0.15 ohm @Temperature 185 °F, Time 168 hour	(TR); CHO-TP-57
	<= 0.10 ohm @Time 605000 sec	<= 0.10 ohm @Time 168 hour	Salt fog corrosion; (SR); CHO-TP-57
	<= 1.0 ohm @Time 605000 sec	<= 1.0 ohm @Time 168 hour	Salt fog corrosion; (TR); CHO-TP-57
Surface Resistivity per Square	<= 0.10 ohm	<= 0.10 ohm	[ohm/in<sup>2<sup>]; <.016 ohm/cm²; MIL-STD-202C

Descriptive Properties	Value	Comments
Adhesion to Aluminum	>40 oz./inch	ASTM D1000

Descriptive Properties	Value	Comments
Resin Type	ically Conductive, Pressure-Sensitive Acrylic	
Foil/Fabric Type	Nickel-Plated Fabric	

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