

Parker Chomerics CHO-FAB CRS Shielding Tape

Category : Polymer , Adhesive , Tape

Material Notes:

Conductive Adhesive Nickel-Plated Fabric Description: 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-CRS-Shielding-Tape.php

Physical Properties	Metric	English	Comments
Thickness	38.1 microns	1.50 mil	Adhesive thickness
	102 microns	4.00 mil	Fabric thickness
	140 microns	5.50 mil	Total

Mechanical Properties	Metric	English	Comments
Peel Strength	0.491 kN/m	2.80 pli	Initial; ASTM D1000
	0.508 kN/m	2.90 pli	95% RH; ASTM D1000
	@Temperature 85.0 °C	@Temperature 185 °F	
	0.473 kN/m	2.70 pli	ASTM D1000
	@Temperature 121 °C, Time 605000 sec	@Temperature 250 °F, Time 168 hour	
	0.649 kN/m	3.70 pli	ASTM D1000
	@Temperature 85.0 °C, Time 605000 sec	@Temperature 185 °F, Time 168 hour	
	0.368 kN/m	2.10 pli	Salt fog corrosion; ASTM D1000
	@Time 605000 sec	@Time 168 hour	
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	<= 0.10 ohm	95% RH; (SR); CHO-TP-57
	@Temperature 85.0 °C	@Temperature 185 °F	
	<= 0.15 ohm	<= 0.15 ohm	95% RH; (TR); CHO-TP-57
	@Temperature 85.0 °C	@Temperature 185 °F	
	<= 0.10 ohm	<= 0.10 ohm	(SR); CHO-TP-57
	@Temperature 85.0 °C, Time 605000 sec	@Temperature 185 °F, Time 168 hour	
	<= 0.10 ohm	<= 0.10 ohm	(SR); CHO-TP-57
	@Temperature 121 °C, Time 605000 sec	@Temperature 250 °F, Time 168 hour	
	<= 0.15 ohm	<= 0.15 ohm	(TR); CHO-TP-57
	@Temperature 121 °C, Time 605000 sec	@Temperature 250 °F, Time 168 hour	
	<= 0.15 ohm	<= 0.15 ohm	(TR); CHO-TP-57
	@Temperature 85.0 °C, Time 605000 sec	@Temperature 185 °F, Time 168 hour	
Surface Resistivity per Square	<= 0.10 ohm	<= 0.10 ohm	Salt fog corrosion; (SR); CHO-TP-57
	@Time 605000 sec	@Time 168 hour	
	<= 1.0 ohm	<= 1.0 ohm	Salt fog corrosion; (TR); CHO-TP-57
	@Time 605000 sec	@Time 168 hour	
Surface Resistivity per Square	<= 0.10 ohm	<= 0.10 ohm	[ohm/in ²]; <.016 ohm/cm ² >; MIL-STD-202C

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

Descriptive Properties	Value	Comments
Foil/Fabric Type	Nickel-Plated Fabric	

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