

## Parker Chomerics CHO-FOIL CCD Shielding Tape

Category : Polymer , Adhesive , Tape

### Material Notes:

**Conductive Adhesive 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-CCD-Shielding-Tape.php](http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-FOIL-CCD-Shielding-Tape.php)

Physical Properties	Metric	English	Comments
Thickness	35.6 microns	1.40 mil	Foil thickness
	76.2 microns	3.00 mil	Adhesive thickness (2-sided)
	112 microns	4.40 mil	Total

Mechanical Properties	Metric	English	Comments
Peel Strength	0.526 kN/m	3.00 pli	Initial; ASTM D1000
	0.859 kN/m	4.90 pli	95% RH; ASTM D1000
	@Temperature 85.0 °C	@Temperature 185 °F	
	0.771 kN/m	4.40 pli	ASTM D1000
	@Temperature 121 °C, Time 605000 sec	@Temperature 250 °F, Time 168 hour	
	0.806 kN/m	4.60 pli	ASTM D1000
@Temperature 85.0 °C, Time 605000 sec	@Temperature 185 °F, Time 168 hour		
0.684 kN/m	3.90 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	<= 0.015 ohm	<= 0.015 ohm	Initial through resistivity (TR); CHO-TP-57
	<= 0.115 ohm @Temperature 85.0 °C	<= 0.115 ohm @Temperature 185 °F	95% RH; (TR); CHO-TP-57
	<= 0.0030 ohm @Temperature 121 °C, Time 605000 sec	<= 0.0030 ohm @Temperature 250 °F, Time 168 hour	(TR); CHO-TP-57
	<= 0.0070 ohm @Temperature 85.0 °C, Time 605000 sec	<= 0.0070 ohm @Temperature 185 °F, Time 168 hour	(TR); CHO-TP-57
	<= 0.275 ohm @Time 605000 sec	<= 0.275 ohm @Time 168 hour	Salt fog corrosion; (TR); CHO-TP-57
Surface Resistivity per Square	<= 0.010 ohm	<= 0.010 ohm	[ohm/in <sup>2</sup> ]; <.0016 ohm/cm <sup>2</sup> >; 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	1 oz. RA Copper	

## Contact Songhan Plastic Technology Co.,Ltd.

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