Parker Chomerics CHO-MASK II ST Conductive Foil Tape

Category : Polymer , Tape

Material Notes:

The CHO-MASK II family of EMI foil tapes includes both Standard Tack (ST) and High Tack (HT) versions for providing a conductive, non-corroding surface on painted metal electronic enclosures. CHO-MASK II tapes consist of recessed polyester paint masking film covering a layer of either 1 oz. (28.4g) or 2 oz. (56.7g) tinplated copper foil. The back of the foil features a conductive pressure sensitive adhesive (PSA). CHO-MASK II tape is applied to clean metal frame, door and panel surfaces where electrical continuity is required. After painting, the peel-off mask is easily removed, allowing the paint to seal both edges of the foil layer. The foil imparts a clean, electrically conductive path from the panel, through an EMI gasket, to the cabinet frame. It also provides grounding points within the enclosure.Application: Oven bake under 350°F (177°C); Suitable for flat flange and radius applications; No length restrictionInformation provided by Chomerics

Order this product through the following link:
http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-MASK-II-ST-Conductive-Foil-Tape.php

Physical Properties	Metric	English	Comments
Thickness	35.6 microns	1.40 mil	1 oz. Tinned Copper Foil
	45.7 microns	1.80 mil	Acrylic Adhesive
	71.1 microns	2.80 mil	2 oz Tinned Copper Foil
	81.3 microns	3.20 mil	2 oz. Total Tickness; ASTM D1000
	117 microns	4.60 mil	1 oz. Total Thickness; ASTM D1000

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

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 0.20 ohm	<= 0.20 ohm	Chomerics TM 71

Processing Properties	Metric	English	Comments
Cure Time	<= 60.0 min @Temperature 185 °C	<= 1.00 hour @Temperature 365 °F	Paint Cure Cycle; Chomerics

Descriptive Properties	Value	Comments
Adhesion After Heat Aging	490 N/m	48 hrs. @ 180°C; ASTM D1000
Adhesion Mask to Foil	24 oz./inch	ASTM D1000

Descriptive Properties	Value	Comments
Adhesion to Aluminum	543 N/m	48 hrs @ 177°C; ASTM D1000
	700 N/m	1 hr @ 177°C; ASTM D1000
	718 N/m	168 hrs @ 74°C/95% RH; ASTM D1000
	893 N/m	1 hr @ 204°C; ASTM D1000
Adhesion to Steel	525 N/m	48 hrs @ 177°C; ASTM D1000
	683 N/m	1 hr @ 177°C; ASTM D1000
	700 N/m	168 hrs @ 74°C/95% RH; ASTM D1000
	875 N/m	1 hr @ 204°C; ASTM D1000
Chemical Resistance	Pass	Trichloroethane, ethanol, acids, cleaning solvents, and alkaline solutions; ASTM D896-84
Corrosion Resistance	Pass	Salt Fog Chamber at 35°C, 144 hrs; MIL-STD-810
Humidity Exposure	Pass	@ 60°C for 96 hours 95% RH; ASTM D1001
Mask Type	Polyester	

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