

EL.BO Service

Electronic Packaging

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Barrier Product Specifications
EWS-909
Static Shielding Material

Construction:

Anti-Static Coating
Polyester
Metal
Polyester
Metal
Polyethylene
Anti-Static Coating

<u>Physical Properties</u>	<u>Test method</u>	<u>Specification</u>
Thickness	ELBO # 001	6.0 mil
Yield	ELBO # 002	4,450 sq in/lb
Tensile Strength	ASTM D-882-67	> 40 lbs / in
Puncture Resistance	FTMS 101C method 2065	> 35 lbs
Seam Strength	ASTM D-882	Destruct Bond
Optical Density		Opaque (Silver)
Heat Seal		375°F 0.5 sec. 60 psi
MVTR	MOCON ASTM F-1249 @ 100F 100 sqin/24 hrs	< 0.005 gm/100 sq. in/24 hrs

<u>Electrical Properties</u>	<u>Test Method</u>	<u>Specifications</u>
Surface Resistance	IEC 61340-2-3 at 15 % RH	PE < 10 ¹¹ Ohm PET < 10 ¹¹ Ohm
Electrostatic Decay	FTMS 101 method 4046	< 0.1 sec.
Capacitance Probe	EIA-541	< 30 volts difference
Electrostatic shielding	Energy test EN 61340-5-1	< 50 n J
EMI Shielding	(mil 81705 Rev. C.)	> 40 dB Between 1 & 10 GHz

<u>Chemical Properties</u>	<u>Test Method</u>	<u>Specifications</u>
Contact Corrosivity	FTMS 101C method 3005	no visible sign after testing of deterioration
Ion Content	(Sodium, Fluoride, Phosphate, & Sulfate Ions)	Below Detectable Levels
Amines & Amide Free		

The values shown above were developed from random samples taken from production material we believe them to be typical for the product. However, actual values may vary somewhat from those depicted here and EL.BO. Service makes no warranty, expressed or implied, as to the suitability of these materials for any specific use. Customers should determine product suitability based upon their own internal criteria. Nothing herein is to be taken as a license to operate under or a recommendation to infringe upon any patent.