

# ELBO Service

## Electronic Packaging

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Barrier Product Specifications

**EWS-606**

Static Shielding Material

### Construction:

Anti-Static Coating
<b>Met PET</b>
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<b>Polyethylene</b>
Anti-Static Coating

<u>Physical Properties</u>	<u>Test method</u>	<u>Specification</u>
Thickness	ELBO # 001	3.4 mil
Yield	ELBO # 002	7,600 sq in/lb
Tensile Strength	ASTM D-882-67	> 25 lbs / in
Puncture Resistance	FTMS 101C method 2065	> 19 lbs
Tear Initiation	ASTM D-1004	> 2.5 lbs
Mullen Burst	ASTM D-774	80 psi
Seam Strength	ASTM D-882	> 14 lbs / in
Optical Density		Opaque (Silver)
Heat Seal		375°F 0.5 sec. 60 psi
Blocking		None
MVTR	ASTM F-1249 @ 100F 100 sqin/24 hrs	< 0.01 gms

<u>Electrical Properties</u>	<u>Test Method</u>	<u>Specifications</u>
Surface Resistance	IEC 61340-2-3 at 15 % RH	PE < 10 <sup>11</sup> Ohms PET < 10 <sup>11</sup> Ohms
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 (shelf life above 5 years)	(mil 81705 Rev. C.)	> 45 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 ELBO. 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.

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