

# EL.BO Service

## Electronic Packaging

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Barrier Product Specifications

### EWS-303

Static Shielding Material

#### Construction:

<u>Anti-Static Coating</u>
<u>Nylon</u>
<u>Aluminium</u>
<u>Polyethylene</u>
<u>Anti-Static Coating</u>

<u>Physical Properties</u>	<u>Test method</u>	<u>Specification</u>
Thickness	ELBO # 001	6.0 mil
Yield	ELBO # 002	4,425 sq in/lb
Tensile MD/TD	ASTM D-882	29/24 lbs / in
Puncture Resistance	FTMS 101C method 2065	> 20 lbs
Mullen Burst	ASTM D-774	72 psi
Seam Strength	ASTMD-882	> 18 lbs / in
Optical Density		Opaque
Heat Seal		375°F 1.5 sec. 60 psi
Blocking		None
MVTR	ASTM F 1249	< 0.00035 gms

<u>Electrical Properties</u>	<u>Test Method</u>	<u>Specifications</u>
Surface Resistivity	ASTM D-257 at 15 % RH	PE < 10 <sup>11</sup> Ohm Nylon < 10 <sup>11</sup> Ohm
Electrostatic Decay	FTMS 101 method 4046	< 0.1 sec.
Capacitance Probe	EIA-541	< 20 volts difference
EMI Shielding	(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 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.

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