

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 nJ |
| 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.