

EL.BO. Service

Electronic packaging

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Buried Metal Product Specifications

ELS-707

Static Shielding Material
Complies with EN 61340-5-1
and ANSI/ESD S20.20

Construction:

Anti-Static
Polyester
Metal
Polyethylene
Anti-Static

<u>Physical Properties</u>	<u>Test method</u>	<u>Specifications</u>
Thickness	LAB # 001	3.0 mil ± 10%
Puncture Resistance	FTMS 101C method 2065	12 lbs
Yield	LAB # 002	9,000 sqin/lb
Tensile Strength	ASTM D-882-67	MD > 16 lbs / in TD > 15 lbs / in
Mullen Burst	ASTM D-774	100 psi
Seal Strength	ASTM f88-94	> 12 lbs / in
Play Bond	ASTM D-1876-95	MD > 2.0 lbs.p / in TD > 2.5 lbs.p / in
Optical Density		0.35 – 0.45
Tear Initiation	ASTM D -1004	MD > .95 lbs.p / mil TD > .90 lbs.p / mil
MVTR	ASTM F-1249	0.35 gms nominal
Haze	ASTM D-1003	4%
Transparency	ASTM D-1003	40%
Heat Seal		375°F 0.5 sec. 60 psi
Blocking		None

<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	< 2 sec.
Capacitance Probe	EIA-541	< 30 volts difference
Metal Layer	ETS-803 at 15 % RH	< 100 Ohm
Electrostatic shielding	Energy test EN 61340-5-1	< 50 n J

<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.