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ESD MOISTURE BARRIER

HB3600 ESD Moisture Barrier Laminate

Construction

12mu PET MET + 12 mu PET MET + 60 mu LLDPE + Antistatic Lacquered Coating both Surfaces

HB3600 is double layered metalized polyester based moisture barrier laminate designed for ESD applications. The construction has been designed to minimize some forms of contamination including outgassing and non-volatile residues. It is free of chlorinated solvents, primary amines, amides, and silicone compounds

Physical Properties:

Yield (per pound)	**7100 square inches**	
Total Thickness	**3.6 mils (91.44 microns) ± 10%**	
(Above thickness includes 2 x adhesive coatings)		
Tensile Strength (ASTM D882-83 Method A)	**MD:9,000 psi, TD: 10,500 psi**	
Tear Strength (ASTM D1004-66 Notched)	**MD:4.7 lb**	**TD 4.3 lb**
Elongation (ASTM D882-83 Method A)	**MD:98%**	**TD 80%**
Burst Strength (FTMS 101-C Method 2007-1a)	**84 psi**	
Puncture Strength (FTMS 101-C Method 2065.1)	**>20 psi**	
Heat Seal Strength (ASTM D1876-72)Vertrod Sealer	**< 11 lb / in width**	
Light Transmission (ASTM D1003-77)	**< .01%**	
MVTR (ASTM F-1249 @100°F 100 sq in/24 hrs)	**< .02 gms (.01 typical)**	
OTR (ASTM D3985 100% Oxygen 100sq.in/24 hrs)	**< .02 gms**	

Electrical Properties:

EMi Shielding (Mil 81705-Rev-C)	**>45 dB Between 1 & 10Ghz**
Resistivity - Conductive Metal Layer (ASTM D-257)	**<2 Ohm/sq**
Capacitive Probe Test (High Voltage Discharge) - (EIA -STD 541/Appendix E - 1 KV)	**<20 volts**
Static Decay (FTMS 101C, Method 4046, 1, 5000 to O Volts):	**<0.03 seconds**
Surface Resistivity (both surfaces)- (ASTM D-257 @50% RH)	**$<10^{11}$ Ω/SQ**
Charge Generation - nominal (Modified incline plane avg. nC/sq.in):	**Teflon -0.09**

Contact Corrosovity:

Low Carbon Steel, Aluminium, Copper, AG plated copper foil Sn-Pb coated foil, Stainless Steel Kovar	No evidence of corrosion, pitting or Etching of Metal

Moisture Barrier Bags are available to order in any size from: ***3" x 3" to 48" x 88"***
75 x 75mm to 1200 x 2000mm

Bags can be custom printed using hot foil stamps or flexo printing and are available with open tops, zip close tops, or self adhesive/tamper evident closures.

For more product information visit our web site, www.faulkner.ie

The values shown above were developed from random samples taken form production material. We believe them to be typical for this particular product. Because of normal lot to lot variations, actual values may vary somewhat from these depicted here. Faulkner Export Packaging Ltd. makes no warranty, express or implied; as to the suitability of these materials for any specific product. Consumers should determine product suitability through their own testing and evaluation.

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