

PRODUCT SPECIFICATION

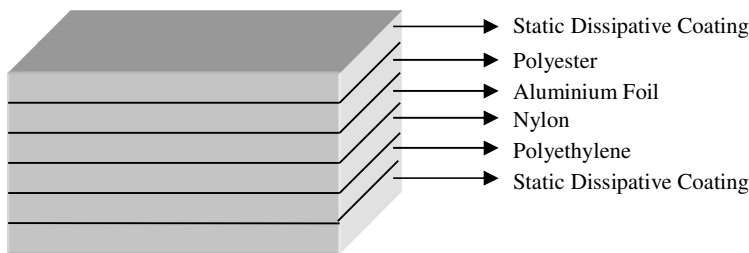
DOCUMENT CONTROL NO.: DY3008-803 REV. H

DY3008-803 MOISTURE BARRIER MATERIAL (BAG)

PRODUCT : Moisture Barrier Film (Bag)

DESCRIPTION : Heat sealable, electrostatic protective, moisture protective multi-layer laminated material for ESD safe and moisture barrier packaging. The combination of polyester, nylon, aluminium foil and polyethylene makes it an extremely tough structure for transportation purpose and long-term dry-packed storage of sensitive devices.

CONSTRUCTION: (from the outermost to innermost layers)



PHYSICAL POPERTIES	TEST METHOD	TYPICAL VALUE
Total Thickness		4.0mils +/- 10%
Tensile Strength	ASTM D-882-02	> 7,000psi (MD/TD)
Puncture Resistance	FTMS 101C, Method 2065.1	≥ 25 lbs
Tear Strength	ASTM D-1004-94 Notched	≥ 3.0 lbs (MD) ≥ 4.0 lbs (TD)
Heat Seal – 1” width (375F, 1/2sec.,60PSI)	ASTM D-882-02	≥ 16 lbs
MVTR (at 90% RH, /100in2-24hrs)	ASTM F-1249	≤ 0.0006 grams



Static Control



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ELECTRICAL PROPERTIES	TEST METHOD	TYPICAL VALUE
Surface Resistance – Outer Surface	ANSI/ESD-STM-11.11 @12% R.H.	< 10 ¹¹ Ω.
Surface Resistance – Inner Surface	ANSI/ESD-STM-11.11 @12% R.H.	< 10 ¹¹ Ω.
Static Decay (12% RH, +/-5KV to 0V)	FTMS 101 Method 4046	< 0.5 sec
Static Shielding	ANSI/ESD-STM-11.31 @ 12% R.H.	< 10 nJ (*)

(*) Certain bag configurations do not meet such criteria

HEAT SEAL CONDITIONS

: 250°F -375°F, 0.5-3.5 sec, 30-70 PSI.

CHEMICAL PROPERTIES	TEST METHOD	TYPICAL VALUE
Amines, Silicone and N-Octanoic Acids	FTIR	Non-detectable
Polycarbonate Compatibility	EIA-564	Pass
Contact Corrosivity	FTMS 101C Method 3005	Pass

The values shown above were developed from random samples taken from production material. We believe them to be typical for the product. Dou Yee Enterprises 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 criteria and further qualification process.

Date: November 2014



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