

## PRODUCT SPECIFICATION

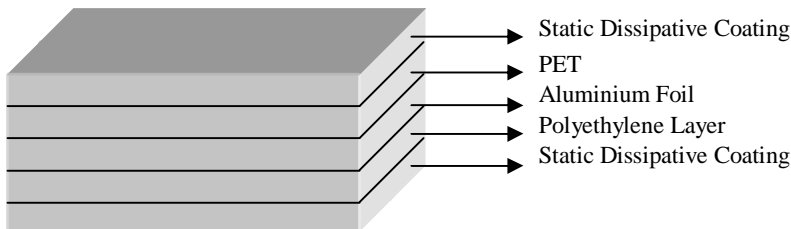
DOCUMENT CONTROL NO.: DY3008-3240 REV. C

### DY3008-3240 MOISTURE BARRIER MATERIAL (BAG)

**PRODUCT** : Moisture Barrier Film (Bag)

**DESCRIPTION** : Heat sealable, moisture protective multi-layer laminated material for effective moisture barrier packaging. Its specially selected polymers reduce ionics, NVR and outgassing.

**CONSTRUCTION** : (from outer to inner layer in bag form)



Static Control



Cleanroom



Wafer Handling & Singulation



Electronics / Dry Packaging

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	≥ 20 lbs
Tear Strength	ASTM D-1004-94 Notched	≥ 2.5 lbs (MD) ≥ 3.0 lbs (TD)
Heat Seal – 1” width (375F, 1/2sec.,60PSI)	ASTM D-882-02	≥ 14 lbs
MVTR (at 90% RH, /100in <sup>2</sup> -24hrs)	ASTM F-1249	≤ 0.0006 grams



IC Mold Cleaning Compound



MIM/ CIM



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**HEAT SEAL CONDITIONS** : 250°F -375°F, 0.5-3.5 sec, 30-70 PSI.



Other Industrial Tools & Equipment

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ELECTRICAL PROPERTIES	TEST METHOD	TYPICAL VALUE
Surface Resistivity – Outer Surface	ANSI/ESD STM-11.11 @12% R.H.	< 10 <sup>12</sup> Ω/sq.
Surface Resistivity – Inner Surface	ANSI/ESD STM-11.11 @12% R.H.	< 10 <sup>12</sup> Ω/sq.
Static Decay (12% RH, 5000 to 0 Volts)	FTMS 101 Mtd 4046	< 0.2 sec
Static Shielding – Energy Penetration	ANSI/ESD STM-11.31 @ 12% R.H.	< 30 nJ
Static Shielding -- Capacitive Probe	EIA 541	< 30 V



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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.

July 2010