

## PRODUCT SPECIFICATION

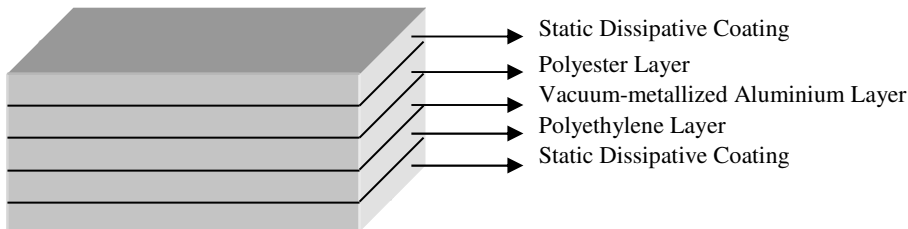
DOCUMENT CONTROL NO.: DY3650-628 REV. B

### DY3650-628      STATIC SHIELDING BAG

**PRODUCT** : STATIC SHIELDING BAG (FILM)

**DESCRIPTION** : Heat sealable, electro static protective, flexible multi-layer laminated material for packaging of ESD sensitive devices. Using DY3650-628 film, DY3700-628 denotes ziplock bag series and DY3800-628 denotes cleanroom grade.

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



Static Control



Cleanroom



Wafer Handling & Singulation



Electronics / Dry Packaging



IC Mold Cleaning Compound



MIM/ CIM



Tapes & Reels



Other Industrial Tools & Equipment

PHYSICAL PROPERTIES	TEST METHOD	TYPICAL VALUE
Total Thickness	ASTM D-374	2.8 mils $\pm$ 10%
Tensile Strength	ASTM D-882-91, Method A	MD > 5,000 psi TD > 5,000 psi
Puncture Strength	FTMS 101C, Method 2065.1	10 lbs
Heat Seal Strength	ASTM D-882-91	10 lbs/in.
Light Transmission	ASTM D1003-92	40% $\pm$ 5%

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ELECTRICAL PROPERTIES	TEST METHOD	TYPICAL VALUE
Surface Resistance – Outer Surface	ANSI/ESD-STM-11.11 @ 12% R.H.	< 1.0x10 <sup>11</sup> Ω.
Surface Resistance – Inner Surface	ANSI/ESD-STM-11.11 @ 12% R.H.	< 1.0x10 <sup>11</sup> Ω.
Static Decay (12% RH, +/-5KV to 0V)	FTMS 101 Mtd 4046	< 0.5 sec
Static Shielding	ANSI/ESD-STM-11.31 @ 12% R.H.	< 15 nJ



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HEAT SEAL CONDITIONS

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

## BAG IS ROHS COMPLIANT

The values shown above were developed from random samples taken from production material. We believe them to be typical for the product. Actual values may vary somewhat from those depicted here and 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 : February 2017