

TECHNI-PRO

Product Data Sheet

Static Shielding Bags



Product Information

Heat sealable, electro static protective, flexible multi-layer laminated material for packaging of ESD sensitive devices. Using DY3650-650 film, DY3700-650 denotes ziplock bag series and DY3800-650 denotes cleanroom grade.

Physical Properties	Test Method	Typical Value
Total Thickness	ASTM D-374	3.0 mils ± 10%
Tensile Strength	ASTM D-882-91, Method A	MD > 5,000 psi TD > 5,500 psi
Tear Strength	ASTM D-1004-94 Notched	MD > 2.0 lbs TD > 2.8 lbs
Puncture Strength	FTMS 101C, Method 2065.1	≥ 12 lbs
Heat Seal Strength	ASTM D-882-91	≥ 10 lbs/in.
MVTR (100 in ² /24 hrs)	ASTM F-1249-90@100F	< 0.25 gm
Light Transmission	ASTM D1003-92	40% ± 5%

Electrical Properties	Test Method	Typical Value
Surface Resistance Outer Surface	ANSI/ESD-STM-11.11 @12% R.H.	< 1.0x10 ¹¹ Ω
Surface Resistance Inner Surface	ANSI/ESD-STM-11.11 @12% R.H.	< 1.0x10 ¹¹ 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

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

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