

## BARRIER BAGS

# DRYLOK® 8850/8860 Static Shielding/ Moisture Barrier Bag



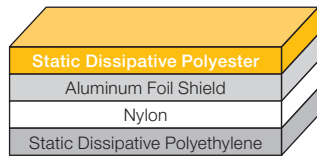
Our DRYLOK® 8850/8860 Static Shielding/Moisture Barrier Bag is engineered for maximum protection of sensitive components from electro-static shock and moisture.

DRYLOK® 8850/8860 bags are available in several standard sizes designed to contain matrix trays, tubes and 13" shipping reels and custom sizes can be made to fit the needs of nearly any project. When used with the Advantek® Desiccant and Humidity Indicator Cards, The DRYLOK® 8850/8860 bags provide superior protection for Static- and moisture-sensitive devices.

- 5.7 mil thick static dissipative polyester, aluminum foil, nylon and static dissipative polyethylene layer construction provides superior puncture resistance with low MTRV
- Meets the requirements of EIA 541, IPC/JEDEC J-STD-033 and MIL-PRF- 81705D Type I, Class 1

### Construction

DRYLOK® 8850/8860 Static Shielding/Moisture Barrier Bags are constructed in four layers. The bag features an anti-static metallized polyester outer layer and a black antistatic inner layer. In between are layers of polyethylene, nylon and an aluminum foil shield.

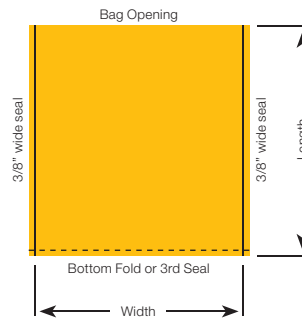


### Configurations

DRYLOK® 8850/8860 Static Shielding/Moisture Bags are available in custom sizes or in several industry standard sizes designed for 13" reels, matrix trays and tubes. Bags are offered in a 2-seal configuration with a bottom fold or a 3-seal configuration and include these options for printing:

- 8850: Advantek's standard logo or your company's hot-stamped or flexographically printed logo
- 8860: Advantek's standard logo or your company's logo in reverse print, laminated into the interior layers of the bag.

### Typical Bag Configuration



### Shelf Life and Storage

We recommend that DRYLOK® 8850/8860 bags be used within 3 years of the date of manufacture. Store this product in its original packaging in a climate-controlled environment where temperature ranges from 20°C +/- 16°C (68°F +/- 61°F) and relative humidity is 50% +/- 30%.

### DRYLOK® 8850/8860 Physical Properties

Property	Typical Value	Test Method/Standard
Thickness	5.7 mils	N/A
Tensile Strength	>36 lbs/in MD >38 lbs/in TD	ASTM D-882-02
Puncture Resistance	>33 lbs	FTMS 101C, Method 2065.1
Elmendorf Tear Strength	>300 MD >475 TD	ASTM D-1004-94 Notched
Heat Seal (375°F, 60 PSI, 0.5 sec)	>24 lbs	ASTM D-882-02
MVTR (100°F, 100 in 2/24 hrs)	<0.0003 grams	ASTM F-1249

### Electrical Properties

EMI Attenuation	> 40dB - 1 to 10Ghz	MIL-PRF-81705
Surface Resistivity (Interior and Exterior)	<10 <sup>12</sup> ohms/square	ASTM D 257
Static Decay (12% RH, 5000 to 0 V)	1 x 10 <sup>3</sup> ohms/square	FTMS 101, Method 4046
Static Shielding Capacitance Probe Energy Penetration	<8 volts <5 nJ	EIA 541 ESD-STM-11.31 @ 12% RH

### Chemical Properties

Amines, Silicone and N-Octanoic Acid	Non-detectable	FTIR
Polycarbonate Compatibility	Pass	EIA-564
Contact Corrosivity	Pass	FTMA 101C, Method 3005

Note: These values were developed from random samples taken from production material. We believe them to be typical for the product. However, actual values may vary somewhat from those depicted above. You should determine product suitability based upon your own internal criteria.



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**ADVANTEK®**  
engineered confidence™

Embossed Carrier Tapes	SFT®	Complex Designs	Basic Designs	Interleaf Tapes		
Cover Tapes	Heat Activated		Pressure Sensitive			
Packaging Reels	Pro	Ultra	Lite	Trimline		
Barrier Bags	DRYLOK®		STATLOK®			
Bands	PROBAND®		LOKBAND®			
Humidity Indicator Cards	1 Spot	3 Spot	4 Spot	6 Spot		
Desiccant	1/3 Unit	1/2 Unit	1 Unit	2 Unit	4 Unit	8 Unit
Dicing Tapes	UV Cured		Non UV Cured			

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