

BARRIER BAGS

DRYLOK® 2100 Static Shielding/ Moisture Barrier Bag



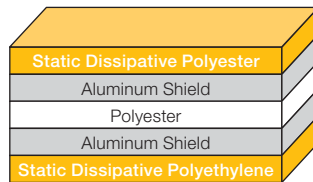
Our DRYLOK® 2100 Static Shielding/Moisture Barrier Bag is engineered to protect contents from electro-static shock and moisture. Its durable 3.6 mil construction prevents punctures, helps ensure a vacuum seal and safeguards static- and moisture-sensitive devices during transport and storage.

DRYLOK® 2100 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® 2100 bags provide superior protection for Static- and moisture-sensitive devices.

- 3.6 mil thick with multiple layers of metallized polyester provide good puncture resistance
- Meets requirements of EIA 541, EIA 583 and MIL-PRF-81705D Type I, Class 1

Construction

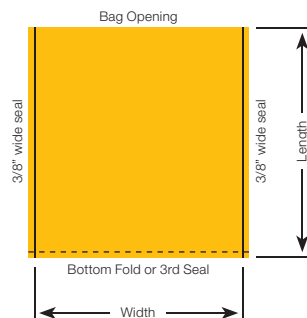
DRYLOK® 2100 Static Shielding/Moisture Bags are constructed in five layers. This cross-section depicts the layer order from top (outermost layer) to bottom (inside of the bag). At the core is a layer of polyester sandwiched between aluminum shields. The outside layer is composed of static dissipative polyester, while the innermost layer next to the bag contents is static dissipative polyethylene.



Configurations

DRYLOK® 2100 Static Shielding/Moisture Bags are available in custom sizes or in several industry standard sizes designed for reels, matrix trays and tubes. Bags are offered in a 2-seal configuration with a bottom fold or a 3-seal configuration, each with our standard Advantek hot-stamp or your company's hot-stamped or flexographically printed logo.

Typical Bag Configuration



Shelf Life and Storage

We recommend that DRYLOK® 2100 bags be used within 3 years from 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 +/- 28°F) and relative humidity is 50% +/- 30%.

DRYLOK® 2100 Physical Properties

Property	Typical Value	Test Method/Standard
Thickness	3.6 mils	N/A
Tensile Strength	9000 MD PSI 10000 TD PSI	ASTM D 882 ASTM D 882
Tear Strength	>4.5 lbs	ASTM D 1004
Burst Strength	84 PSI	FTMS 101 MTH 2007
Puncture Resistance	>20 lbs	FTMS 101 MTH 2065
Seam Strength	Pass	MIL-PRF-81705D
MVTR	<0.02 grams	ASTM F 1249
Heat Sealing Conditions		
Temperature	300°F - 400°F	N/A
Time	0.6 - 4.5 seconds	N/A
Pressure	30 - 70 PSI	N/A

DRYLOK® 2100 Electrical Properties

EMI Attenuation	45dB	MIL-PRF-81705D
Metal Layer Resistance	<100 ohms	Ohmmeter
Static Shielding	<20 volts	EIA 541
Static Decay	<0.03 seconds	FTMS 101 MTH 4046
Surface Resistivity		
Interior	<10 ¹² ohms/square	ASTM D 257
Exterior	<10 ¹² ohms/square	ASTM D 257
Charge Generation		
Teflon	0.09 n/C sq. in.	Modified Incline Plane
Quartz	0.10 n/C sq. in.	Modified Incline Plane

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.



Our wide line of component packaging products offers the flexibility you need to balance price and performance.



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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