

BARRIER BAGS

DRYLOK® 4400 Static Shielding/ Moisture Barrier Bag



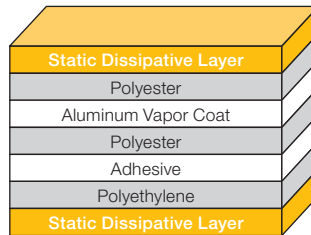
The DRYLOK® 4400 from Advantek® is a transparent polyester ESD static shielding/moisture barrier bag. This distinctive transparent bag uses a unique aluminum vapor coating layer, providing protection to bag contents from both electro-static shock and moisture.

DRYLOK® 4400 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® 4400 bags provide superior protection for Static- and moisture-sensitive devices.

- 3.3 mil thick transparent polyester construction to provide inspection capability with good puncture protection
- Meets requirements of EIA 541, EIA 583 and MIL-PRF-81705D Type I, Class 1 and Type II, Class 1
- Strong puncture resistance ensures vacuum seal integrity and protects contents of bag for up to 2 years

Construction

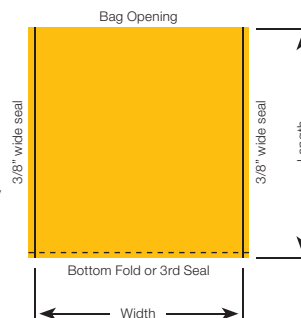
DRYLOK® 4400 Static Shielding / Moisture Barrier Bags are constructed in seven layers. These consist of a static dissipative outer layer followed by a polyester film layer and a proprietary aluminum vapor coat. In the middle is a second polyester layer followed by an adhesive layer. Rounding out the DRYLOK® 4400 is a polyethylene layer and a final static dissipative coating.



Typical Bag Configuration

Configurations

DRYLOK® 4400 Static Shielding/Moisture Barrier Bags are available in custom sizes or in several industry standard sizes designed for 13" reels, matrix trays and tubes. Bags have 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.



Shelf Life and Storage

We recommend that DRYLOK® 4400 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 +/- 61°F) and relative humidity is 50% +/- 30%. Exceeding these recommended storage conditions could result in inconsistent product performance.

DRYLOK® 4400 Physical Properties

Property	Typical Value	Test Method/Standard
Thickness	3.3 mils	N/A
Tensile Strength	8500 MD PSI 9500 TD PSI	ASTM D 882 ASTM D 882
Tear Strength	1.14 MD, 1.21 TD lbs	ASTM D 1004
Puncture Resistance	> 20 lbs	FTMS 101C MTH 2065
Seam Strength	Pass	MIL-PRF-81705D
Light Transmission	>40%	ASTM D 1003
MVTR	<0.02 grams	ASTM F 1249

DRYLOK® 4400 Electrical Properties

EMI Attenuation	45dB between 1 & 10 Ghz	MIL-PRF-81705D
Surface Resistivity Interior Exterior	<10 ¹² ohms/square <10 ¹⁰ ohms/square	ASTM D 257 ASTM D 257
Static Decay	<1 second	FTMS 101CMTH 4046
Static Shielding	<20 volts	EIA 541

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			

Germany: +49-761-45546-0
North America: +1-510-623-1877
Philippines: +63-49-545-6350
Singapore: +65-6759-6800
China: +86-21-5048-4588
Taiwan: +886-2-2290-1789
Japan: +81-49-229-5100

advantek.com