

## BARRIER BAGS

# DRYLOK® 2300 Static Shielding/ Moisture Barrier Bag



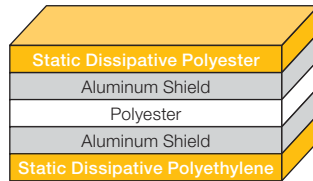
Our DRYLOK® 2300 Static Shielding/Moisture Barrier Bag is engineered to protect contents from electro-static shock and moisture. Its tough 7.0 mil construction prevents punctures, safeguards static- and moisture-sensitive devices during transport and storage, and helps ensure that vacuum is maintained for up to 2 years.

DRYLOK® 2300 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® 2300 bags provide superior protection for Static- and moisture-sensitive devices.

- 7.0 mil thick of static dissipative polyethylene and metallized polyester create an exceptional dry package with superior puncture performance
- Meets requirements of EIA 541, EIA 583 and MIL-PRF-81705D Type I, Class 1

### Construction

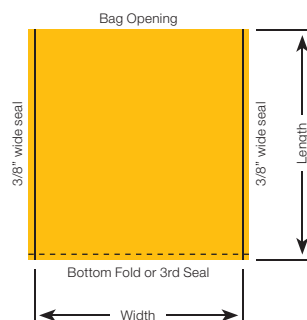
DRYLOK® 2300 Static Shielding/Moisture Bags are constructed in five layers. This cross-section depicts the layer order from top (outermost layer) to bottom (inside of the bag). At the core is a layer of polyester sandwiched between aluminum shields. The outside layer is composed of static dissipative polyester, while the innermost layer next to the bag contents is static dissipative polyethylene.



### Configurations

DRYLOK® 2300 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® 2300 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 +/- 29°F) and relative humidity is 50% +/- 30%.

### DRYLOK® 2300 Physical Properties

| Property                | Typical Value                | Test Method/Standard     |
|-------------------------|------------------------------|--------------------------|
| Thickness               | 7.0 mils                     | N/A                      |
| Tensile Strength        | 10000 MD PSI<br>11500 TD PSI | ASTM D 882<br>ASTM D 882 |
| Tear Strength           | >5 lbs                       | ASTM D 1004              |
| Burst Strength          | >120 PSI                     | FTMS 101 MTH 2007        |
| Puncture Resistance     | >30 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® 2300 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 101CMTH 4046      |
| Surface Resistivity    |                               |                        |
| Interior               | <10 <sup>12</sup> ohms/square | ASTM D 257             |
| Exterior               | <10 <sup>12</sup> ohms/square | ASTM D 257             |
| Charge Generation      |                               |                        |
| Teflon                 | 0.09 n/C sq. in.              | Modified Incline Plane |
| Quartz                 | 0.01 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       |                 |        |        |

|                |                  |
|----------------|------------------|
| 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  |

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