

## 3M™ Moisture Barrier Bag Dri-Shield 2700

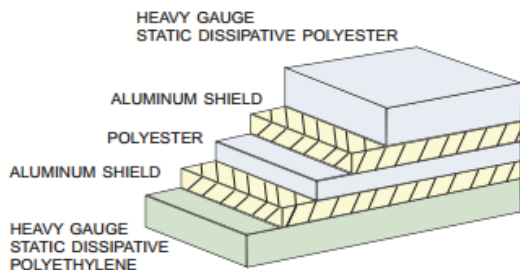
This aluminized moisture barrier bag is designed to provide a static safe environment for sensitive electronic devices. A stronger polyester layer helps to prevent sharp trays from puncturing the bag. The bags are heat sealable and suitable for vacuum packaging. Bags are printed with ESD and moisture warning symbols and a lot code for traceability.

3M Moisture Barrier Bags Dri-Shield 2700 are manufactured from a laminate of multiple layers of aluminized polyester and polyethylene. Polyester provides puncture resistance. Metal layers are intended to provide shielding of Electrostatic Discharge (ESD) and to help minimize the penetration of electric field.

These bags are tested to meet or exceed certain electrical and physical requirements of ANSI/ESD S541, and to be ANSI/ESD S20.20 program compliant. Bags are RoHS Compliant\* and lead-free\*\*.



3M™ Moisture Barrier Bag  
Dri-Shield 2700



| Physical                                | Typical Values                               | Testing Method                                     |
|-----------------------------------------|----------------------------------------------|----------------------------------------------------|
| Moisture Vapor Transmission Rate (MVTR) | 0.030 grams/100 sq. in./24 hrs. <sup>1</sup> | MIL-STD-3010C Method 3030                          |
| Tensile Strength                        | 6550 PSI, 45 MPa                             | ASTM D882                                          |
| Puncture Resistance                     | 30 lbs, 133 N                                | MIL-STD-3010C Method 2065                          |
| Seal Strength                           | 20 lbs, 89 N                                 | ASTM D882                                          |
| Thickness                               | 7 mils, .1778 mm +/-15%                      | MIL-STD-3010C Method 1003                          |
| Marking Adhesion                        | Pass                                         | IPC-TM-650 2.4.1                                   |
| Electrical                              | Typical Values                               | Testing Method                                     |
| ESD Shielding                           | <10 nJ                                       | ANSI/ESD STM11.31                                  |
| Surface Resistance - Interior           | <1x10 <sup>11</sup> ohms                     | ANSI/ESD STM11.11                                  |
| Surface Resistance - Exterior           | <1x10 <sup>11</sup> ohms                     | ANSI/ESD STM11.11                                  |
| Static Decay                            | < 2 seconds                                  | ETS 406D Static Decay Meter, 5kV, 1% Cutoff, 12%RH |
| EMI Attenuation                         | 45 dB                                        | 1 to 10 GHz                                        |
| Cleanliness                             | Typical Values                               | Testing Method                                     |
| Silicone                                | Not Detected                                 | FTIR                                               |
| Heat Sealing Conditions                 | Typical Values                               |                                                    |
| Temperature                             | 400°F, 204°C                                 |                                                    |
| Time                                    | 0.6 - 4.5 seconds                            |                                                    |
| Pressure                                | 30 - 70 PSI, 2.05 - 4.8 KPa                  |                                                    |

<sup>1</sup> Standard deviation of 0.016 grams/100 sq. in./24 hrs.

This product is intended for commercial use only. This product is not on the Qualified Product Listing under the Defense Standardization Program.

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| Dimensions<br>(W x L in.)            | Part No.  | Dimensions<br>(W x L in.) | Part No. | Dimensions<br>(W x L in.) | Part No. |
|--------------------------------------|-----------|---------------------------|----------|---------------------------|----------|
| 4 x 6                                | D2746     | 10 x 20                   | D271020  | 15 x 18                   | D271518  |
| 10.5 x 18                            | D2710.518 | 10 x 30                   | D271030  | 16 x 18                   | D271618  |
| 10 x 12                              | D271012   | 12 x 16                   | D271216  |                           |          |
| Custom sizes and printing available. |           |                           |          |                           |          |

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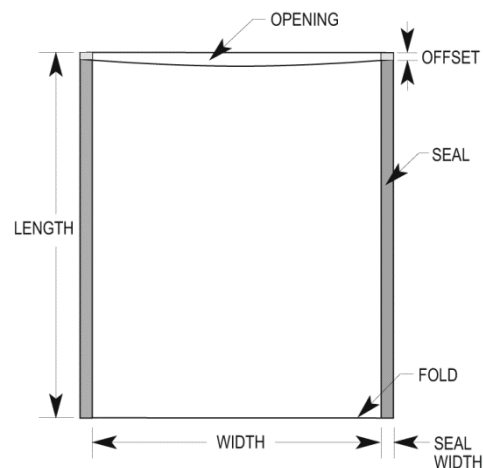


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98-0799-1140-4 JHA

### Open Top Bag



Tolerance (inches): Width -0, +0.250  
Length +/- 0.125 Offset 0 to 0.250  
Seal width +/- 0.125

- Standard sizes stocked for prompt shipment (usually same day).
- Width is measured from inside seam to inside seam.
- Length is measured from the top edge to the bottom fold.
- Opening is in the "width" dimension.
- Custom bag sizes, custom printing and custom hot stamping are available.
- Most sizes are packed 100 per case.
- Small sizes are packed 500 or 1,000 per case.

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\* **RoHS 2011/65/EU Compliant** means that the product or part does not contain any of the substances in excess of the maximum concentration values ("MCVs") in EU RoHS Directive 2011/65/EU. The MCVs are by weight in homogeneous materials. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

\*\*Lead-free means that the product has less than 2 ppm of lead when tested by ICP-AES, with reference to EPA method 3051A/3052.



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3M:

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