

Product Data Sheet

3M™ Moisture Barrier Bag Dri-Shield 2000

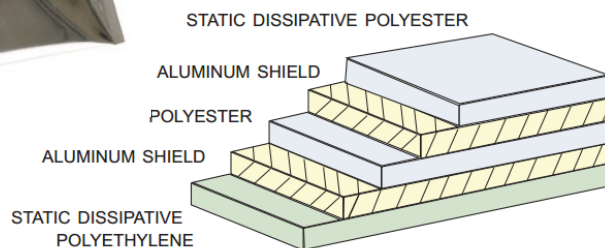
This aluminized moisture barrier bag is designed to provide a static safe environment for sensitive electronic devices. The bags are heat sealable and suitable for vacuum packaging. Bags are printed with ESD and moisture warning symbols and a lot code for traceability.

3M Moisture Barrier Bags Dri-Shield 2000 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 2000



Physical	Typical Values	Testing Method
Moisture Vapor Transmission Rate (MVTR)	0.035 grams/100 sq. in./24 hrs. ¹	MIL-STD-3010C Method 3030
Tensile Strength	7800 PSI, 54 MPa	ASTM D882
Puncture Resistance	20 lbs, 89 N	MIL-STD-3010C Method 2065
Seal Strength	15 lbs, 66N	ASTM D882
Thickness	3.6 mils, .0914 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 ¹¹ ohms	ANSI/ESD STM11.11
Surface Resistance - Exterior	<1x10 ¹¹ 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	300°F - 400°F, 140°C - 204°C	
Time	0.6 - 4.5 seconds	
Pressure	30 - 70 PSI, 2.05 - 4.8 KPa	

¹ Standard deviation of 0.008 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.

3M™ Moisture Barrier Bag Dri-Shield 2000

Dimensions (W x L in.)	Part No.	Dimensions (W x L in.)	Part No.	Dimensions (W x L in.)	Part No.
3 x 5	70035	6 x 30	700630	12 x 18	7001218
4 x 6	70046	8 x 10	700810	14 x 30	7001430
4 x 24	700424	8 x 12	700812	15 x 18	7001518
5 x 30	700530	10 x 12	7001012	16 x 18	7001618
6 x 8	70068	10 x 20	7001020	17 x 19	7001719
6 x 10	700610	10 x 24	7001024	18 x 18	7001818
6 x 24	700624	10 x 30	7001030	18 x 24	7001824
		12 x 16	7001216		

Custom sizes and printing available.

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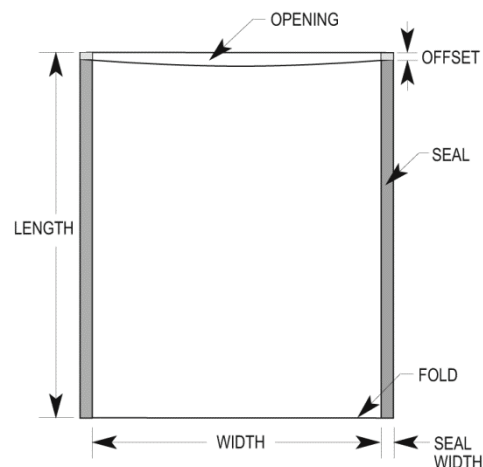


Electronic Solutions Division Static Control Products

926 JR Industrial Drive
Sanford, NC 27332-9733
Toll-Free: 866-722-3736
International: 919-718-0000
Email: 3mstaticinfo@mmm.com
www.3Mstatic.com

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98-0799-1139-6 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.

