

3M™ Moisture Barrier Bag Dri-Shield 3000

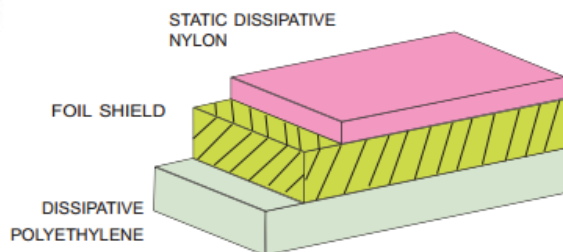
This foil moisture barrier bag is designed to provide a static safe environment for sensitive electronic devices. A nylon layer helps to strengthen the bag. The bags are heat sealable and suitable for vacuum packaging. Bags are printed with ESD and moisture warning symbols, and a lot code for traceability.

3M Moisture Barrier Bags Dri-Shield 3000 are manufactured from a laminate of nylon, foil, and polyethylene. The metal layer is 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 Moisture Barrier Bags, 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 3000



Physical	Typical Value	Testing Method
Moisture Vapor Transmission Rate (MVTR)	≤ 0.0003 grams/100 sq. in./24 hrs.	ASTM F1249
Tensile Strength	3800 PSI, 26 MPa	ASTM D882
Puncture Resistance	16 lbs, 71 N	MIL-STD-3010C Method 2065
Seal Strength	15 lbs, 66 N	ASTM D882
Thickness	6 mils, .1524 mm +/-15%	MIL-STD-3010C Method 1003
Marking Adhesion	Pass	IPC-TM-650 2.4.1
Electrical	Typical Value	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 Value	Testing Method
Silicone	Not Detected	ASTM E168
Heat Sealing Conditions	Typical Value	
Temperature	400°F, 204°C	
Time	0.6 – 4.5 seconds	
Pressure	30 – 70 PSI, 2.05 – 4.8 KPa	

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 3000

Dimensions (W x L in.)	Part No.
10 x 20	D301020
10 x 30	D301030
16 x 18	D301618

- Standard sizes available 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.

Important Notice

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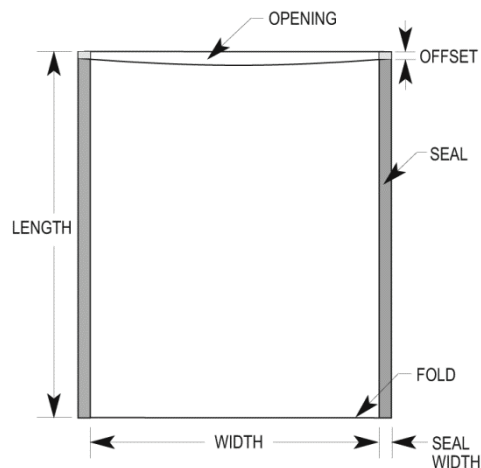
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Tolerance (inches): Width -0, +0.250
Length +/- 0.125 Offset 0 to 0.250
Seal width +/- 0.125

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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.

