

3M™ Dri-Shield 2000 Moisture Barrier Bag

Multiple layers of metallized polyester provide puncture resistance and moisture barrier for this economical dry bag. Please inquire for sizes. Bags are RoHS Compliant* and lead-free**.

Features

- Strong, lightweight, heat sealable, suitable for vacuum packaging.
- Meets electrical and physical requirements of EIA 583, ESD S541, EIA625, MIL-PRF-81705, and ANSI/ESD S20.20.
- Static safe: dissipative inner and outer surfaces.
- Amine free, passes outgassing and corrosion tests.
- Used for packaging SMDs in trays, shipping tubes, and tape and reel.
- Printed with ESD and moisture symbols; lot coded for traceability.
- Testable to industry standards.



3M™ Dri-Shield 2000 Moisture Barrier Bag

3M™ Moisture Barrier Bag 3370

The 3M™ Moisture Barrier Bag 3370 has been designed to meet the demanding moisture protection needs of the electronics market. Bags are RoHS Compliant* and lead-free**.

Features

- Clean barrier film contains no amines, N-Octanoic Acid.
- Outgassing levels are extremely low.
- Strong, lightweight, heat sealable, suitable for vacuum packaging.
- Meets electrical and physical requirements of EIA 583, ESD S541, EIA625, MIL-PRF-81705, and ANSI/ESD S20.20.
- Static safe: dissipative inner and outer surfaces.
- Used for packaging SMDs in trays, shipping tubes, and tape and reel.
- Printed with ESD and moisture symbols; lot coded for traceability.
- Testable to industry standards.

Product No.	Description
3370	Moisture Vapor Barrier Bag. 100 bags per pack. Metal Out.
	Standard Sizes, in. (cm)
	4 x 6 (10.2 x 15.2)
	5 x 8 (12.5 x 20.3)
	6 x 10 (15.2 x 25.4)
	8 x 10 (20.3 x 25.4)
	10 x 12 (24.4 x 30.5)
	12 x 16 (30.5 x 40.6)
	16 x 18 (40.6 x 45.7)
	18 x 24 (45.7 x 61)
	Custom Sizes Limits, in. (cm)
	3 x 3 to 35 x 36 (7.6 x 7.6 to 88.9 x 91.4)



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Dri-Shield 2000 Properties

Physical Properties		
MVTR	<0.02 g/100 sq.in./24 hrs	ASTM F1249
Puncture Resistance	>20 lbs	MIL-STD-3010
Tear Strength (Elmendorf)	48 grams	ASTM D1922
Thickness	3.6 mils	±10%
Tensile Strength	8700 PSI, 612kg/cm ²	ASTM D882
Seal Strength	>12 lbs	ASTM D882
Electrical Properties		
Surface Resistivity/Resistance		
	ASTM D257	ANSI/ESD STM11.11
Interior	<10 ¹² ohm/square	or <10 ¹¹ ohm
Exterior	<10 ¹² ohm/square	or <10 ¹¹ ohm
Metal	<100 ohm	
Static Shielding	<20 volts	MIL-PRF-81705, EIA 541
Static Shielding	<10 nJ	ANSI/ESD S11.31
EMI Attenuation	45 dB	MIL-PRF-81705
Static Decay	<0.03 seconds	MIL-STD-3010
Silicone or Amine Content	Not detected	FTIR

Moisture Barrier Bag 3370 Properties

Property	Typical Value	Test Method
Thickness	3.6 mil. (92 microns)±10%	Measure
Moisture Vapor Transmission Rate	< 0.015 grams/100 inches ² /24 hours (645.2 cm ²) (film and seams)	ASTM F 1249
Tensile Strength	> 8200 PSI (5.7 x 107 N/m ²)	ASTM D 882
Puncture Resistance	> 20 lbs. (9.07 kg)	FTMS 101C Method 2065
Seam Strength	Pass (3.5 lb./1.6 kg hanging weight)	Mil PRF 81705(D)
Surface Resistance (Interior and Exterior)	<1 x 10 ¹¹ ohm @12% R.H.	ANSI/ESD S11.11
Metal Layer	< 100 ohm	Monroe 267 Buried Layer
Static Discharge Shielding	< 7 nJ	ANSI/ESD S11.31
Outgassing	<10µg/g Total outgassing, < 1µg/g Hydrocarbons	Static Headspace
Ionic Contamination	<20 ng/cm ² : Na, F, PO ₄ , SO ₄ , Cl, NH ₄ <100 ng/ cm ² : NO ₃	Extraction/IC
Non Volatile Residue	<1 µg/cm ²	ASTM E1235 (reference)
Polycarbonate Compatibility	Pass - 185°F (85°C), 3400 PSI	EIA 564
Amines, Amides, Silicone	None Added	FTIR/NMR