



# Moisture Barrier Bag 3370



**The 3M™ Moisture Barrier Bag 3370 has been designed to meet the demanding moisture protection needs of the electronics market.**

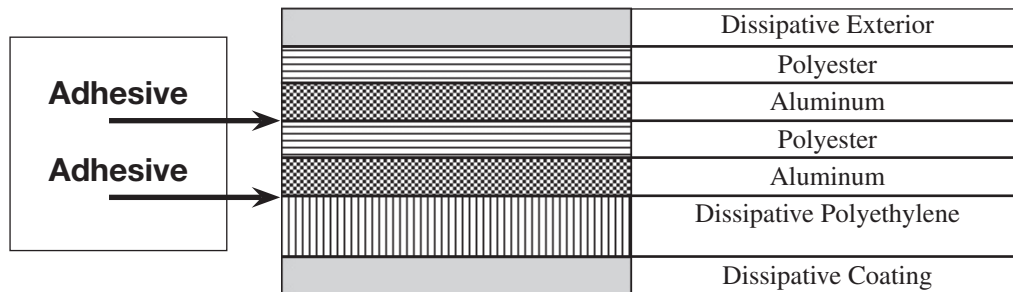
- **Durability** – The 3370 bag utilizes a multi-layer 3.6 mil film design that provides puncture and tear resistance. Proven reliability in vacuum packaging applications.
- **Moisture Protection** – The 3370 bag provides proven long-term protection in the most critical seepage area – the seams. 3M provides a 1/2" side seam to deliver a finished bag capable of maintaining the MVTR level equivalent to that of the film. The 3370 bag's multi-layer design eliminates problems associated with "pinholes" found in many foil bags.
- **ESD/EMI shielding** – The 3370 bag provides excellent high frequency protection and static shielding to protect the most sensitive parts.
- **Cleanliness** – The 3370 bag uses a clean opaque barrier film which exceeds the requirements of EIA-583 Class I and contains no amines, amides or N-Octanoic Acid. Outgassing levels are extremely low.
- **Construction** – The 3370 bag is a highly durable construction (from the outside layer to the innermost layer): static dissipative layer, two aluminized polyester layers each 0.48 mil, 2.6 mil static dissipative polyethylene.
- **Industry Standards** – The 3370 bag meets the electrical and physical requirements of JESD 625A, MIL-PRF-81705, Type 1, EN100015, IEC61340-5-1.

The 3370 bag is available in many standard sizes and can be custom-sized for your specific application.

# 3M™ Moisture Barrier Bag 3370

Physical Properties	Test Method	Typical Value
Thickness	Measure	3.6 mils (92 microns)±10%
Moisture Vapor Transmission Rate	ASTM F 1249	< 0.015 grams/100 inches <sup>2</sup> /24 hours (645.2 cm <sup>2</sup> ) (film and seams)
Tensile Strength	ASTM D 882	> 8200 psi
Puncture Resistance	FTMS 101C Method 2065	> 20 lbs. (9.07 kg)
Seam Strength	Mil PRF 81705(D)	Pass (3.5 lb./1.6 kg Hanging weight)
Electrical Properties	Test Method	Typical Value
Surface Resistance (Interior and Exterior)	ANSI/ESD S 11.11	<1 x 10 <sup>11</sup> ohms @12% R.H.
Metal Layer	Monroe 267 Buried Layer	< 100 ohms
Static Discharge Shielding	ANSI/ESD S 11.31	< 4 nJ
Chemical Properties	Test Method	Typical Value
Outgassing	Static Headspace	<10µg/g Total < 1µg/g Hydrocarbons
Ionic Contamination	Extraction/IC	<20ng/cm <sup>2</sup> : Na, F, PO <sub>4</sub> , SO <sub>4</sub> , Cl, NH <sub>4</sub> <100 ng/cm <sup>2</sup> : NO <sub>3</sub>
Non Volatile Residue	ASTM E 1235 (reference)	<1 µg/cm <sup>2</sup>
Polycarbonate Compatibility	EIA 564	Pass - 185°F (85°C), 3400 psi
Amines, Amides, Silicone	FTIR/NMR	None Added

## Construction:



3M is a registered trademark of 3M Company.

## Important Notice

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

### Warranty; Limited Remedy; Limited Liability

This product will be free from defects in material and manufacture as of the date of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY**

**OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**



### Electronic Solutions Division

6801 River Place Blvd.  
Austin, TX 78726-9000  
www.3M.com/electronics



40% Pre-consumer waste paper  
10% Post-consumer waste paper

Litho in USA.

© 3M 2005 98-0799-0488-8