

3M™ Dri-Shield Moisture Barrier Bag 3700

Sizes on Page 2

Puncture Resistant Moisture Barrier Bag ~ Foil

3M engineered the Dri-Shield Moisture Barrier Bag 3700 to provide over 25 pounds of puncture resistance. This reduces vacuum loss due to punctures from sharp trays and rough handling. The Dri-Shield Bag 3700 also meets the requirements of IPC/JEDEC J-STD-033 for the dry packaging of electronic devices. These bags protect SMD's from moisture and static damage. Flexible structure is easy to vacuum seal. Coded for QC traceability.



3M™ Dri-Shield Bag 3700

3M™ Moisture Barrier Bag with
3M™ Humidity Indicator Card and
3M™ Desiccant



Standards

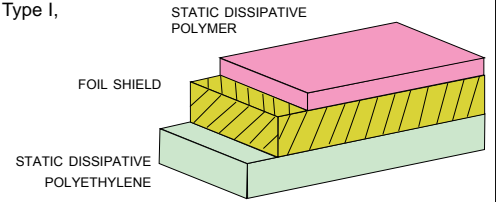
Meets electrical and physical requirements of IPC/JEDEC J-STD-033, MIL-PRF-81705 Type 1, EIA 583, ESD S541, EIA 625, and EOS/ESD Standards.

Specifications

Physical Properties:		Typical Values	
MVTR(g/100 sq.in./24 hrs)	<.0003	ASTM F 1249	
Puncture Resistance	>25 lbs	FTMS 101 MTH 2065	
Thickness	4.0 mils	3M 008	
Tensile Strength	13000 psi	ASTM D882	
Seam Strength	Pass	MIL-PRF-81705	
Heat Sealing Conditions:			
Temperature	300°F - 400°F		
Time	0.6 - 4.5 seconds		
Pressure	30 - 70 PSI		
Electrical Properties:			
Surface Resistivity / Resistance	ASTM D257	or ANSI/ESD STM11.11	
Interior	<10 ¹² ohms/square	or <10 ¹¹ ohms	
Exterior	<10 ¹² ohms/square	or <10 ¹¹ ohms	
Metal	100 ohms		
Static Shielding	< 15 volts	EIA 541	
Static Shielding	< 10 nJ	EOS/ESD S11.31	
EMI Attenuation	45 dB	MIL-PRF-81705	
Static Decay	< 0.03 seconds	FTMS 101 MTH 4046	
Non-Corrosive	Pass	FTMS 101 MTH 3005	
Outgassing	Pass	ASTM E595	

Material Structure

This unique structure provides high puncture resistance and a very low MVTR, while having a total thickness of 4 mils. This foil barrier material meets or exceeds the MVTR and EMI/RFI/Static Shielding requirements of IPC/JEDEC J-STD-033 MIL-PRF-81705 Type I, and EIA 583, for static safe, moisture barrier packaging



See 3M Data Sheets for these related items:

Humidity Indicator Cards (HIC's)

Desiccant

3M™ Label 113

Vacuum Sealers

P R O D U C T D A T A S H E E T

Dri-Shield 3700 Puncture Resistant Moisture Barrier Bag FOIL

PRODUCT
MOISTURE BARRIER BAG, FOIL

ITEM NUMBER
D37(W)(L)"

DATASHEET
1371-A

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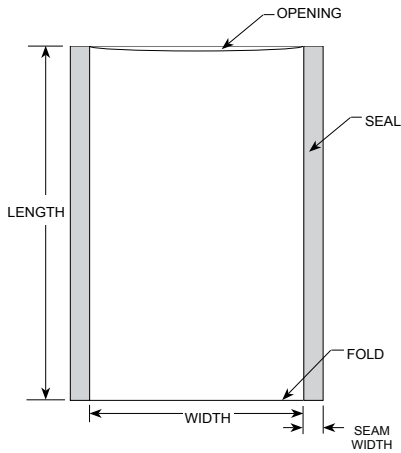


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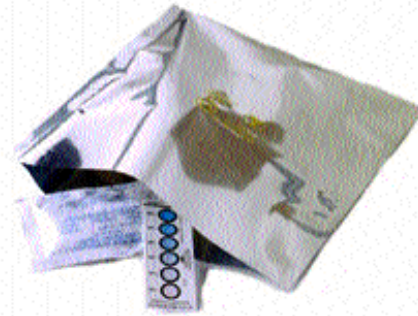
Moisture Barrier Bag ~ Foil

W"x L" P/N
Please inquire.



- All standard sizes in-stock/same day shipment.
- 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 1000 or 500 per case.

3M™ Moisture Barrier Bag with 3M™ Humidity Indicator Card and 3M™ Desiccant



Ask for 3M HIC's and Dri-Shield moisture barrier bags.

How Moisture Barrier Bags Work

Moisture barrier bags work by enclosing a device with a metal shield that has a high resistance to moisture vapor permeation. Dry devices are placed inside this shield, and the moisture-laden air is evacuated. Desiccant filled pouches scavenge the remaining moisture from the bag's interior. Moisture that penetrates the bag is also entrapped by the desiccant. Humidity indicating cards report the effectiveness of the package upon device use. A label on the bag indicates the amount of exposure time devices are allowed prior to use, and the drying (re-baking) time and temperature if the exposure time is exceeded.

P R O D U C T D A T A S H E E T

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