

Moisture Barrier Bags

MOI - Available in different sizes

Description

Moisture Barrier Bags are designed for the safe packing of SMDs; protecting them from moisture and static damage. Dry devices are placed inside the Moisture Barrier Bag and the moisture laden air is evacuated. Suitable for storing static and moisture-sensitive electronic components in humid environments. Moisture Barrier Bags are Jedec compliant; allowing for the safe transportation of Jedec Trays. The bags have a layer of aluminium that blocks the moisture along with 'Faraday cage' protection. Moisture Barrier Bags are opaque and light-tight ensuring the contents cannot be seen from the outside. The 4mil puncture-resistant packaging is suitable for vacuum-sealing and heat-sealing. Supplied in packs of 100 pieces.

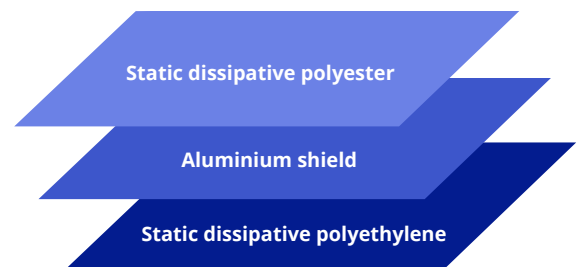


Key Features

- Protects electronic components from moisture and static damage
- Suitable for storing components in humid environments
- Jedec compliant, allowing you to safely transport Jedec Trays
- Made with a layer of aluminium that blocks the moisture
- Bags are heat-sealable with 'Faraday Cage' protection
- Vacuum-sealable
- Light-tight and opaque
- Puncture-resistant
- 4mil thick (100 microns) as standard, in packs of 100pcs
- Printed with a yellow ESD symbol on packaging
- Recommended temperature for welding is 150-200°C
- Suitable for packing SMDs, PCBs, integrated circuits

Construction

Static dissipative polyester, aluminium shield, static dissipative polyethylene



ESD Standards & Regulations Met



RoHS compliant



European Conformity



EIA541



FTMS101



REACH compliant



IEC 61340-5-1



MTH2065



ISO 527-2:



ANSI/ESD S20.20



IPC / JEDEC J-STD-033



GB/T 1040



ASTM D639-03



STM11.31 2006



MIL-B-81705C Type 1



ASTM D-638



GB/T 16578-96



ASTM D1938-02



ASTM D-1876-72

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Properties	Unit	
Surface Resistivity / Resistance	ANSI/ESD S11.11	
Interior	>10 ⁶ <10 ¹¹ ohms/square	>10 ⁶ <10 ¹¹ ohms/square
Exterior	>10 ⁶ <10 ¹¹ ohms/square	>10 ⁶ <10 ¹¹ ohms/square
Static Shielding	<30 volts STM11.31	
Static Shielding	<50 nj STM11.31.2006	
Static Decay	<2 seconds IEC61340-5-1-1998 Charge	
Charge Retention	<100 volts IEC61340-5-1-1998	
Puncture Strength	≥10.2kg FTMS101, MTH2065	
Burst Strength	146kg/cm ² ASTM D-638	
Snap Power	≥3.7kg GB/T 1040-2006	
(Vertical and Horizontal)	ISO 527-2:1993 ASTM D639-03	
Elongation Rate at Break	≥3.3kg ASTM D-638	
Tear Strength	≥0.6kg GB/T 16578-96	
(Vertical and Horizontal)	ASTM D1004-03 ASTM D1938-02	
Peel Strength	≥0.5kg	
Heat Seal Strength	≥3.7kg ASTM D-1876-72	
Water Vapour Transmission Rate (WVTR)	≤0.0310 g/m ² (0.002 g/100 in ²) in 24 hours at 40°C after flex testing per condition "E" ASTM F 392. (ASTM F 1249)	
Thickness	100micron (4 mils) +/- 10%	
OTR-Oxygen Transmission Rate	≤1.4cm ³ /(m ² .24h.0.1MPa) ASTM D3985	
Shelf-Life	≥3 years	
Appearance	Clean. No wrinkle, surface scratch, damage, pin hole, delimitation, void. No separation on the encapsulation.	PASS

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Part Code	Size (inches)	Size (mm)
MOI630	6" x 30"	152 x 762mm
MOI1012	10" x 12"	254 x 305mm
MOI1020	10" x 20"	254 x 508mm
MOI1024	10" x 24"	254 x 610mm
MOI1218	12" x 18"	305 x 457mm
MOI1618	16" x 18"	406 x 457mm
MOI1820	18" x 20"	457 x 508mm

Bags have a batch number for QA traceability. All custom sizes and thicknesses can be made to specific requirements. For a large volume quantity order or a bespoke quotation, please get in touch.

Before each use, ensure that there are no wrinkles or surface scratch, damage or pin holes. All bags should be used with a humidity indicator card and desiccant.





Eliminate Costly Static Damage...

Whether you are experiencing unacceptable levels of damage in transit, need a specific cleanroom solution or simply don't know which ESD safe equipment is best for you, we can help!

Request complimentary,
no obligation advice by
speaking with one of
our technical experts
today.

