

BONDLINE

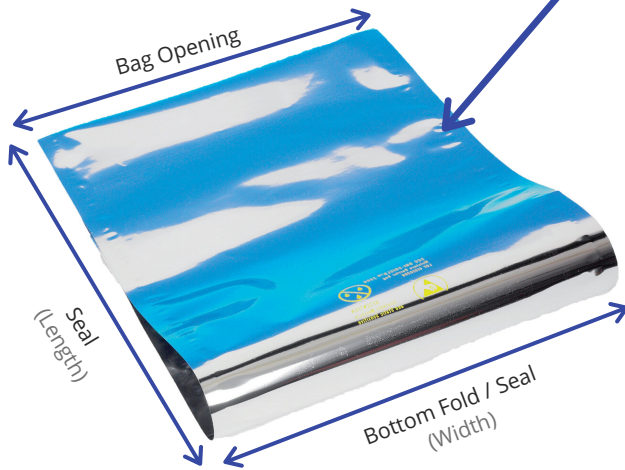


Moisture Barrier Bags

MOI - Available in different sizes

Opaque, durable and lightweight

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Description

Moisture barrier bags are designed for the packaging of SMD's, protecting them from moisture and static damage. Dry devices are placed inside the Moisture Barrier Bag and the moisture laden air is evacuated. Desiccant filled pouches scavenge the remaining moisture from the bags interior which is entrapped by the desiccant. Humidity Indicator Cards report the effectiveness of the package upon device use.

Features

- Bags are Jedec compliant.
- Bags are Heat Sealable with Faraday Cage protection.
- 4mil thick as standard.
- ESD symbol printed on the bags as standard.

Standards

- Meets the requirements of the joint IPC/JEDEC J-STD-033, ANSI/ESD S20.20, STM11.31 2006, EIA541, MIL-B-81705C Type 1, IEC 61340-5-1, FTMS101, MTH2065, GB/T 1040, ISO 527-2, ASTM D639-03, ASTM D-638, GB/T 16578-96, ASTM D1938-02, ASTM D-1876-72, MIL-B-131-H type 1.

Extra Details

- The recommended temperature for welding 150-200°C.
- Bespoke packaging sizes and thicknesses available.
- Ensure no wrinkles or surface scratch, damage or pin holes.
- Ideal for storing static sensitive devices in humid environments.

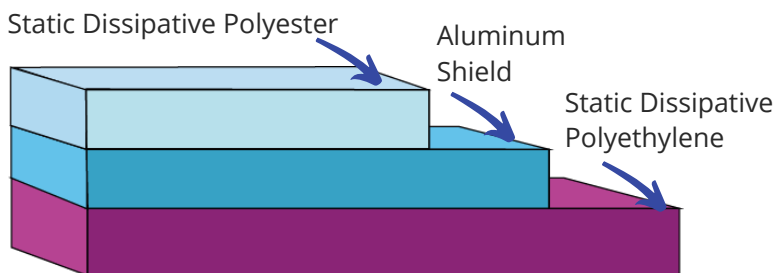


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Construction

The 4mil puncture-resistant and moisture-proof packaging has a flexible structure and is suitable for vacuum-sealing.

Appearance

- Clean.
- No wrinkle, surface scratch, damage, pin hole, delimitation, void.
- No separation on the encapsulation.

Pass

Electrical Properties

Typical Values

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

Physical Properties

Typical Values

Puncture Strength	≥10.2kg FTMS101, MTH2065
Burst Strength	146kg/cm2 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





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Physical Properties	Typical Values
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
WVTR Water Vapour	≤0.006 (ANSI/EIA 583 ASTM F1249 (230c 90%RH) class 1) g/100sq.in./24 hrs
Thickness	100micron (4 mils) +/- 10%
OTR-Oxygen Transmission Rate	≤1.4cm ³ /(m ² .24h.0.1MPa) ASTM D3985
Shelf-Life	≥3 years

Reference	Size (inches)	Size (mm)
MOI1630	16" x 30"	152 x 762 mm
MOI1012	10" x 12"	254 x 305 mm
MOI1020	10" x 20"	254 x 508 mm
MOI1024	10" x 24"	254 x 610 mm
MOI1218	12" x 18"	305 x 457 mm
MOI1618	16" x 18"	406 x 457 mm
MOI1820	18" x 20"	457 x 508 mm

Bags have a batch number for QA traceability. All custom sizes can be manufactured to specific requirements. Standard size chart available.

See related items: **Humidity Indicator Cards** and **Desiccant bags**



Important Notice: The information contained within this spec sheet is for guidance only. We make no warranties expressed or implied and assume no liability regarding any use of this information. Moisture Barrier Bags December 12, 2019.

