

Moisture Barrier Bag 4.4Mil

Technical Datasheet

Description

Moisture barrier bags are designed for packing of electronic products such as PCBs, integrated circuits etc. which are sensitive to moisture and static.



Bag Artwork

Our static shielding bags are produced with the shown artwork as standard. For further information on bespoke/printed orders, please contact one of our sales team.

Configuration

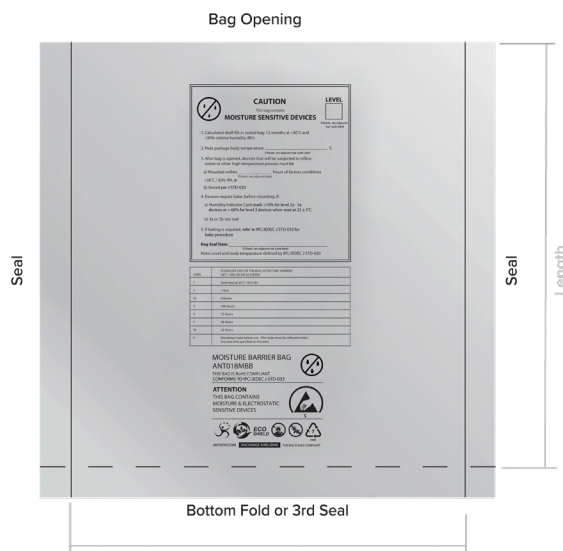
Our bags are available in custom sizes or in several industry standard sizes. Bags are offered in a 3-seal configuration, with our standard flexographically printed artwork. Our bags can also be personalised with your company logo on bespoke orders. Minimum order quantities apply.

Features

- Protects electronics from moisture and static damage
- Opaque and light tight to offer additional protection
- Firm lamination and heat sealing offers superior resistance to vapor and oxygen ingress
- Surface resistance of 10^8 - 10^{10} Ohms
- Ideal for transporting and storing moisture sensitive devices such as circuit boards and electronic components.
- Flexible structure & easy to vacuum seal
- Flat top open style, printable surface

Construction

The 4.4Mil bag features an antistatic metallized polyester outer layer and an antistatic polyethylene inner layer. In between are layers of static dissipative polyethylene, nylon and an aluminium foil shield.



Item	Test Method	Typical Value
Results taken under environmental test conditions: Temperature: 23°C / Humidity: 12% RH.		
Film composition	N/A	PET/AL/NY/PE
Standard thickness	Micron Meter	4.4mil (112microns) +/-10%
Moisture Vapor Transmission Rate	ASTM F1249	0.0003gm/100 in ² /24hrs
Tensile strength	ASTM D882-91	7000 psi MD and TD
Puncture resistance	FTMS 101C MTH 2065.1	>25lbs
Interior surface resistance	ANSI/ESD STM11.1 - 2022	>10 ⁷ <10 ¹¹ Ohms
Exterior surface resistance	ANSI/ESD STM11.1 - 2022	>10 ⁷ <10 ¹¹ Ohms
Electrostatic shielding	ANSI/ESD S 11.31 - 2018	<10nJ
Static shielding - Capacitive probe	EIA 541	<10v

Product	Quantity	Cat. No.
6in x 8in (152mm x 203mm) Moisture Barrier Bag 4.4Mil	100/Pack	17-150-284
6in x 30in (152mm x 765mm) Moisture Barrier Bag 4.4Mil	100/Pack	17-150-285
10in x 12in (254mm x 305mm) Moisture Barrier Bag 4.4Mil	100/Pack	17-150-286
10in x 20in (254mm x 508mm) Moisture Barrier Bag 4.4Mil	100/Pack	17-150-287
15in x 18in (381mm x 457mm) Moisture Barrier Bag 4.4Mil	100/Pack	17-150-288
20in x 20in (508mm x 508mm) Moisture Barrier Bag 4.4Mil	100/Pack	17-150-289
18in x 24in (457mm x 610mm) Moisture Barrier Bag 4.4Mil	100/Pack	17-150-290
4in x 15in (102mm x 381mm) Moisture Barrier Bag 4.4Mil	100/Pack	17-150-291

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