

**PRODUCT**

# ESD Moisture Barrier Bag

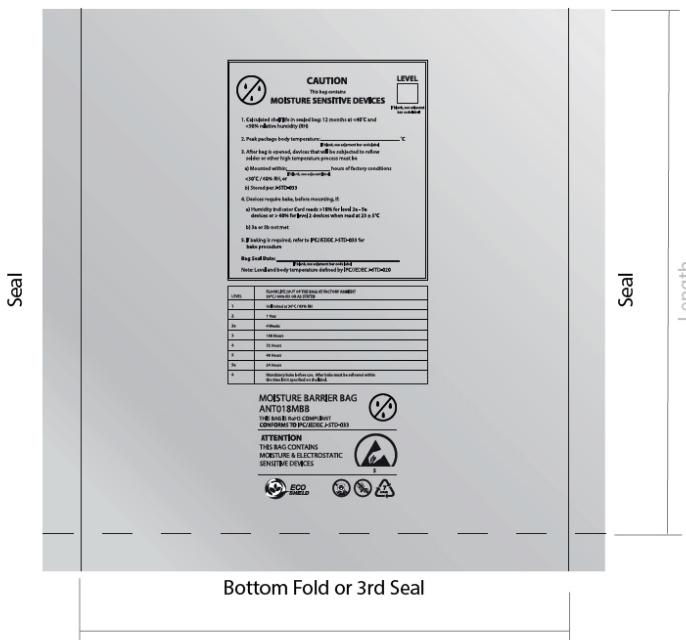
## 4.4 Mil

### TECHNICAL DATASHEET



Moisture barrier bags are designed for packing of electronic products which are sensitive to moisture and static.

#### Bag Opening


**FEATURES**

- The bags are opaque and light tight ensuring the inside item can not be seen from outside
- Suitable to pack electronic products which are sensitive to moisture and static, such as PCBs, integrated circuits etc
- Flat open top style, printable surface
- Offers superior resistance to vapour and oxygen ingress
- Strong tensile strength

**CONSTRUCTION**

Our 4.4Mil moisture barrier bags are constructed in 4 layers. The bag features an antistatic metallized polyester outer layer and an antistatic polyethylene inner layer. In between are layers of nylon and aluminium foil shield.

**CONFIGURATION(S)**

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.

**BAG ARTWORK**

Our moisture barrier bags are produced with the following sample artwork as standard. For further information on bespoke/printed orders, please contact one of our sales team. Note: all of our moisture barrier bags are batch coded for QC traceability.

To request a quotation or for more information, please call **+44 (0)1473 836200**  
 email [info@antistat.co.uk](mailto:info@antistat.co.uk) or visit [www.antistat.co.uk](http://www.antistat.co.uk)

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TECHNICAL PROPERTIES	TEST METHOD	TYPICAL VALUE
Film composition	N/A	PET/AL/NY/CPE
Standard thickness	Micron Meter	4.4mil (112microns) +/-10%
Puncture resistance	FTMS 101C MTH 2065.1	>25lbs
MVTR	ASTM F1249	0.0003gm/100 in <sup>2</sup> /24hrs
Tensile strength	ASTM D-882-91	7,000 PSI MD and TD
Interior surface resistance	ANSI/ESD STM11.1 - 2022	>10 <sup>7</sup> <10 <sup>11</sup> Ω
Exterior surface resistance	ANSI/ESD STM11.1 - 2022	>10 <sup>7</sup> <10 <sup>11</sup> Ω
Electrostatic shielding	ANSI/ESD S 11.31 - 2018	<10nJ
Static shielding - Capacitive probe	EIA 541	<10v

PRODUCT CODE	DESCRIPTION	SIZE (inch)	QUANTITY (per pack)
018-0420	Moisture barrier bags 4.4Mil	6 x 8	100
018-0412	Moisture barrier bags 4.4Mil	6 x 28	100
018-0421	Moisture barrier bags 4.4Mil	6 x 30	100
018-0414	Moisture barrier bags 4.4Mil	10 x 12	100
018-0422	Moisture barrier bags 4.4Mil	10 x 12	100
018-0413	Moisture barrier bags 4.4Mil	10 x 20	100
018-0424	Moisture barrier bags 4.4Mil	15 x 18	100
018-0425	Moisture barrier bags 4.4Mil	20 x 20	100
018-0426	Moisture barrier bags 4.4Mil	18 x 24	100

## NOTES

- Other sizes available on request
- All of our moisture barrier bags are batch coded for QC traceability.
- Shelf Life: 3 years when stored in correct conditions <=40 °C
- All Antistat moisture barrier bags comply to the requirements as laid out in IPC/JEDEC J-STD-033 and are RoHS 3 and REACH compliant.

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