

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.

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.

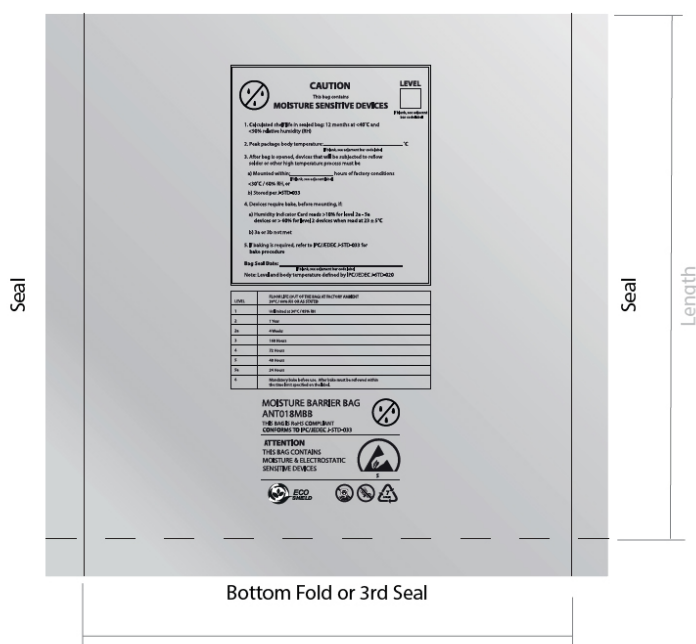
CONFIGURATION(S)

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.

Bag Opening



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

IMPORTANT: This data sheet and its contents (the "Information") belong to Antistat or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but Antistat assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where Antistat was aware of the possibility of such loss or damage arising) is excluded. © 2022 Antistat

| 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 in2/24hrs |
| Tensile strength | ASTM D-882-91 | 7,000 PSI MD and TD |
| Interior surface resistance | ANSI/ESD STM11.1 - 2022 | 10^8 - $10^{10}\Omega$ |
| Exterior surface resistance | ANSI/ESD STM11.1 - 2022 | 10^8 - $10^{10}\Omega$ |
| Surface resistivity - Interior | ASTM D257-14 | $> 1 \times 10^5 \Omega/\text{sq} \leq 1 \times 10^{12} \Omega/\text{sq}$ |
| Surface resistivity - Exterior | ASTM D257-14 | $\leq 1 \times 10^{12} \Omega/\text{sq}$ |
| 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 |
| 018-0421 | Moisture barrier bags 4.4Mil | 6 x 30 | 100 |
| 018-0422 | Moisture barrier bags 4.4Mil | 10 x 12 | 100 |
| 018-0423 | 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 $\leq 40^\circ\text{C}$
- 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.

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

IMPORTANT: This data sheet and its contents (the "Information") belong to Antistat or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but Antistat assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where Antistat was aware of the possibility of such loss or damage arising) is excluded. © 2022 Antistat.