

**PRODUCT**

# ESD Moisture Barrier Bag 6 Mil



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

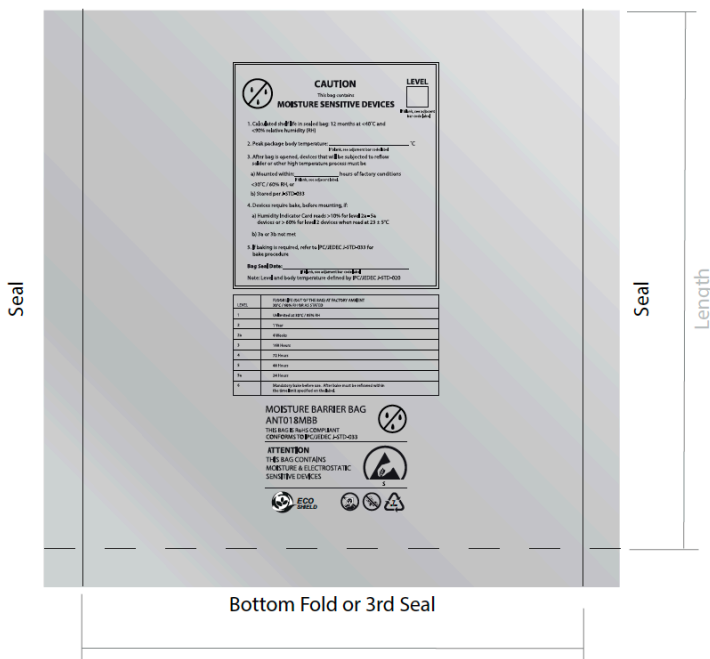
**CONFIGURATION(S)**

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 **+1 512-580-4220** email [sales@antistat.com](mailto:sales@antistat.com) or visit [www.antistat.com](http://www.antistat.com)

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| PRODUCT CODE | DESCRIPTION               | SIZE (inch) | SIZE (mm)     | QUANTITY (per pack) |
|--------------|---------------------------|-------------|---------------|---------------------|
| 018-6006     | Moisture barrier bag 6Mil | 4 x 6       | 101.6 x 152.4 | 100                 |

**NOTES**

Other sizes available upon request. Minimum order quantities apply.

| PHYSICAL                              | TYPICAL VALUE                     | TESTING METHOD           |
|---------------------------------------|-----------------------------------|--------------------------|
| Water vapour transmission rate (WVTR) | < 0.0003 grams/100 sq. in./24 hrs | ASTM F1249               |
| Tensile strength                      | 7500 PSI MD and TD                | ASTM D882-18             |
| Puncture resistance                   | 34 lbs                            | MIL-STD-3010 Method 2065 |
| Seal strength                         | 22 lbs                            | ASTM D882-18             |
| Thickness                             | 6 MIL .1524mm +/-10%              | MIL-STD-3010 Method 1003 |

| ELECTRICAL                     | TYPICAL VALUE   | TESTING METHOD         |
|--------------------------------|---|------------------------|
| Discharge shielding            | <10 nJ  | ANSI/ESD STM11.31-2018 |
| Surface resistance - Interior  | $1 \times 10^4$ to $< 1 \times 10^{11} \Omega$                              | ANSI/ESD STM11.11-2022 |
| Surface resistance - Exterior  | $1 \times 10^4$ to $< 1 \times 10^{11} \Omega$                              | ANSI/ESD STM11.11-2022 |
| Surface resistivity - Interior | $> 1 \times 10^5 \Omega/\text{sq}$ $\leq 1 \times 10^{12} \Omega/\text{sq}$ | ASTM D257-14           |
| Surface resistivity - Exterior | $\leq 1 \times 10^{12} \Omega/\text{sq}$                                    | ASTM D257-14           |

| HEAT SEALING CONDITIONS | TYPICAL VALUE | TESTING METHOD |
|-------------------------|---------------|----------------|
| Temperature range       | 356°F - 392°F | -              |
| Sealing pressure        | 40 - 60 PS    | -              |
| Sealing time            | 2.0 - 3.8 S   | -              |

| CORROSION         | TYPICAL VALUE                       | TESTING METHOD           |
|-------------------|-------------------------------------|--------------------------|
| Contact corrosion | No evidence of corrosion or pitting | FTMS 101C METHOD 3005    |
| Non-corrosive     | Pass                                | MIL-STD-3010 METHOD 3005 |

| SHELF LIFE                       | TYPICAL VALUE   | TESTING METHOD |
|----------------------------------|---|----------------|
| 3 Years from date of manufacture | When kept in storage conditions of $\leq 30^\circ\text{C}/60\% \text{RH}$ | -              |

Antistat can assist and advise on a vast range of cross linked closed cell foams for specialist applications.

To request a quotation or for more information, please call **+1 512-580-4220**  
 email [sales@antistat.com](mailto:sales@antistat.com) or visit [www.antistat.com](http://www.antistat.com)