

**PRODUCT**

# Moisture Barrier Bag 3.6MIL

## TECHNICAL DATASHEET

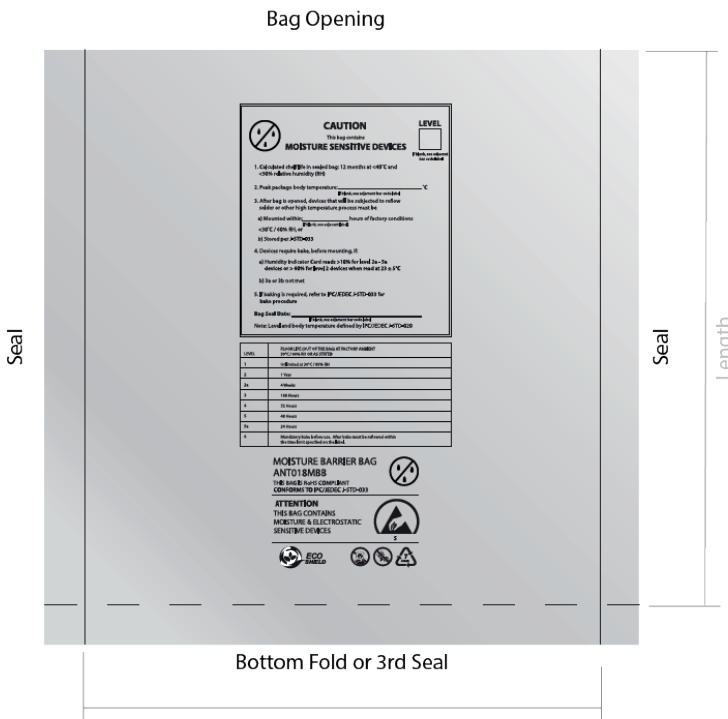


**CONSTRUCTION**

The 3.6MIL bag features an antistatic metallized polyester outer layer and an antistatic inner layer. In between are layers of static dissipative polyethylene, nylon and an aluminium foil shield.

**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 vapour and oxygen ingress
- Surface resistance of  $10^8$ - $10^{11}$  Ohms
- These bags are ideal for transporting and storing moisture sensitive devices such as circuit boards and electronic components.
- Available in 3.6 / 4.4 and 6Mil thicknesses
- Flexible structure & easy to vacuum seal




**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. Our bags can also be personalised with your company logo on bespoke orders. Minimum order quantities apply.

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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**CAUTION**  
This bag contains  
**MOISTURE SENSITIVE DEVICES**

**LEVEL**

If blank, see adjacent bar code label

1. Calculated shelf life in sealed bag: 12 months at <40°C and <90% relative humidity (RH)
2. Peak package body temperature: \_\_\_\_\_ °C  
If blank, see adjacent bar code label
3. After bag is opened, devices that will be subjected to reflow solder or other high temperature process must be
  - a) Mounted within: \_\_\_\_\_ hours of factory conditions  
If blank, see adjacent label  
<30°C / 60% RH, or
  - b) Stored per J-STD-033
4. Devices require bake, before mounting, if:
  - a) Humidity Indicator Card reads >10% for level 2a - 5a devices or > 60% for level 2 devices when read at 23 ± 5°C
  - b) 3a or 3b not met
5. If baking is required, refer to IPC/JEDEC J-STD-033 for bake procedure

**Bag Seal Date:** \_\_\_\_\_  
If blank, see adjacent bar code label

Note: Level and body temperature defined by IPC/JEDEC J-STD-020

LEVEL	FLOOR LIFE (OUT OF THE BAG) AT FACTORY AMBIENT 30°C / 60% RH OR AS STATED
1	Unlimited at 30°C / 85% RH
2	1 Year
2a	4 Weeks
3	168 Hours
4	72 Hours
5	48 Hours
5a	24 Hours
6	Mandatory bake before use. After bake must be reflowed within the time limit specified on the label

### 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. Please note there is a minimum order quantity of 20,000 bags on all custom printed bags.

Note: All of our custom moisture barrier bags are batch coded for QC traceability.

#### MOISTURE BARRIER BAG ANT018MBB

THIS BAG IS RoHS COMPLIANT  
CONFORMS TO IPC/JEDEC J-STD-033



**ATTENTION**  
THIS BAG CONTAINS  
MOISTURE & ELECTROSTATIC  
SENSITIVE DEVICES



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### TEST CONDITIONS

The following results were taken under the following environmental test conditions:  
 Temperature: 23°C / Humidity: 12%

ITEM	TEST METHOD	TYPICAL VALUE
Film Composition	N/A	PET/AL/NY/PE
Inner and Outer Resistance	STM.11.11	10 <sup>8</sup> - 10 <sup>11</sup> Ohms
Moisture Vapour Transmission Rate	ASTM F 1249	<=0.014g/100in sq / 24 hours
Tensile Strength	ASTM D882	7500 PSI
Puncture Resistance	ASTM F1306-90(2002)	24lbs
Heat Seal Temperature	-	300-410°F
Heat Seal Time	-	0.5-3.5 sec
Heat Seal Pressure	-	30-70 PSI
Seal Strength	GB/96-04-10	12lbs
Static Decay Time	IEC61340-5-1 (±1000 - ±100V)	≤2S

### TEST CONDITIONS

The anti-static moisture barrier bag is tested accordant with the relevant test standard and requirements.

Test Item:	Test Method:	Measured Equipment(s):	MDL:
Lead (Pb)	IEC 62321:2008 Ed.1 Sec.8	ICP-OES	2mg/kg
Cadmium (Cd)	IEC 62321:2008 Ed.1 Sec.8	ICP-OES	2mg/kg
Mercury (Hg)	IEC 62321:2008 Ed.1 Sec.7	ICP-OES	2mg/kg
Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis	2mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5mg/kg

EMI Shielding: Meets required range of EN 61340-5-1 tested per IEC 61340-2-3 and ANSI/ESD STM11.31

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PRODUCT CODE	DESCRIPTION	SIZE (inch)	SIZE (mm):	NOTES
018-0130	Moisture Barrier Bag 3.6Mil / 92 microns	4 x 6	102 x 152	Pack of 100
018-0120	Moisture Barrier Bag 3.6Mil / 92 microns	6 x 8	152 x 203	Pack of 100
018-0131	Moisture Barrier Bag 3.6Mil / 92 microns	6 x 12	152 x 305	Pack of 100
018-0134	Moisture Barrier Bag 3.6Mil / 92 microns	6 x 26	152 x 660	Pack of 100
018-0001	Moisture Barrier Bag 3.6Mil / 92 microns	6 x 28	152 x 711	Pack of 100
018-0136	Moisture Barrier Bag 3.6Mil / 92 microns	8 x 10	203 x 254	Pack of 100
018-0133	Moisture Barrier Bag 3.6Mil / 92 microns	8 x 20	203 x 508	Pack of 100
018-0400	Moisture Barrier Bag 3.6Mil / 92 microns	10 x 20	254 x 508	Pack of 100
018-0401	Moisture Barrier Bag 3.6Mil / 92 microns	10 x 24	254 x 610	Pack of 100
018-0301	Moisture Barrier Bag 3.6Mil / 92 microns	10 x 26	254 x 660	Pack of 100
018-0137	Moisture Barrier Bag 3.6Mil / 92 microns	12 x 16	305 x 406	Pack of 100
018-0402	Moisture Barrier Bag 3.6Mil / 92 microns	12 x 20	305 x 508	Pack of 100
018-0007	Moisture Barrier Bag 3.6Mil / 92 microns	16 x 18	406 x 457	Pack of 100
018-0403	Moisture Barrier Bag 3.6Mil / 92 microns	18 x 18	457 x 457	Pack of 100
018-0293	Moisture Barrier Bag 3.6Mil / 92 microns	18 x 24	457 x 610	Pack of 100
018-0300	Moisture Barrier Bag 3.6Mil / 92 microns	22 x 24	559 x 610	Pack of 100
018-0304	Moisture Barrier Bag 3.6Mil / 92 microns	23 x 32	584 x 813	Pack of 100
018-0038*	Moisture Barrier Bag 3.6Mil / 92 microns	26 x 19	680 x 400	Pack of 50
018-0015*	Moisture Barrier Bag 3.6Mil / 92 microns	29 x 23	750 x 600	Pack of 100

\* Opening on long side of the bag, not on the short side as standard

Note: Other sizes and thicknesses available upon request.

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