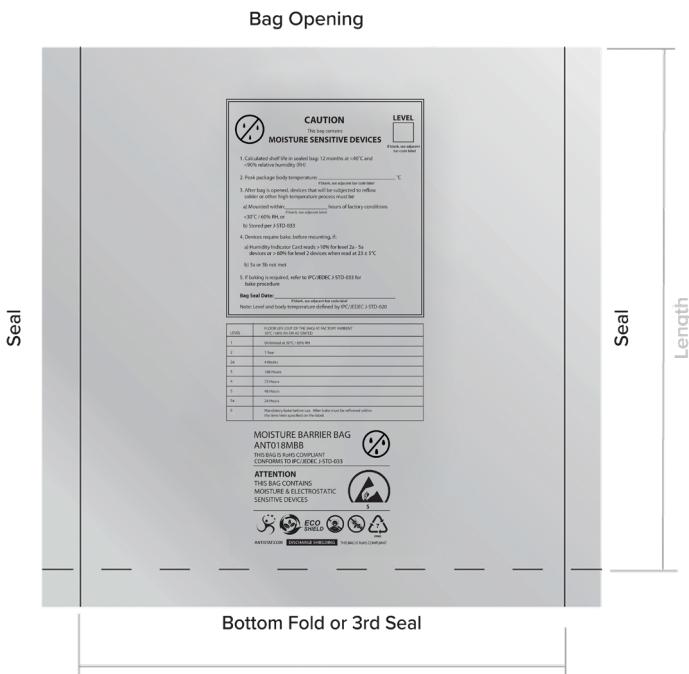


**PRODUCT**

# ESD Moisture Barrier Bag 6 Mil

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


**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.

**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.

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

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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**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 $< 1 \times 10^{11}$ Ω	ANSI/ESD STM11.11-2022
Surface resistance - Exterior	$1 \times 10^4$ to $< 1 \times 10^{11}$ Ω	ANSI/ESD STM11.11-2022
Surface resistivity - Interior	$> 1 \times 10^5$ Ω/sq $\leq 1 \times 10^{12}$ Ω/sq	ASTM D257-14
Surface resistivity - Exterior	$\leq 1 \times 10^{12}$ Ω/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 $\leq 30^\circ\text{C}/60\%$ RH	-

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