



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



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.

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.

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

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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	1×10^4 to $< 1 \times 10^{11} \Omega$	ANSI/ESD STM11.11-2022
Surface resistance - Exterior	1×10^4 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.

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