

ESD Moisture Barrier Bag 6mil

TECHNICAL DATASHEET



DESCRIPTION

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.

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.

TECHNICAL SPECIFICATIONS

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

ELECTRICAL	TYPICAL VALUE	TESTING METHOD
Discharge shielding	<10 nJ	ANSI/ESD STM11.31-2018
Surface resistance - Interior	1×10^4 to $< 1 \times 10^{11}$ ohms	ANSI/ESD STM11.11-2022
Surface resistance - Exterior	1×10^4 to $< 1 \times 10^{11}$ ohms	ANSI/ESD STM11.11-2022

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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HEAT SEALING CONDITIONS	TYPICAL VALUE	TESTING METHOD
Temperature range	356°F - 392°F	-
Sealing pressure	40 - 60 PSI	-
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

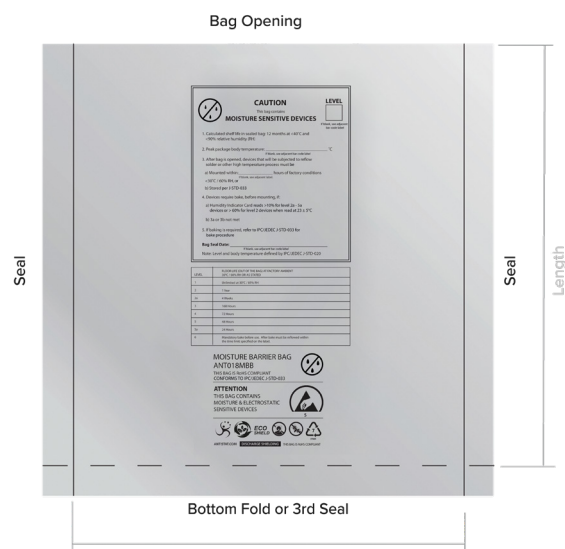
SHELF LIFE	TYPICAL VALUE	TESTING METHOD
3 Years from date of manufacture	When kept in storage conditions of ≤ 30°C/60% RH	-

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.

VARIATIONS

SKU	SIZE	
018-6006	4in x 6in	102mm x 152mm
018-6005	6in x 26in	152mm x 660mm
018-8003	8in x 20in	203mm x 508mm
018-8004	17in x 19in	432mm x 483mm
018-8005	8in x 27in	203mm x 686mm
018-8006	8.5in x 20in	216mm x 508mm
018-8008	8.5in x 27in	216mm x 686mm
018-8009	10in x 20in	254mm x 508mm



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