

PRODUCT

Cleanroom Moisture Barrier Bags

TECHNICAL DATASHEET

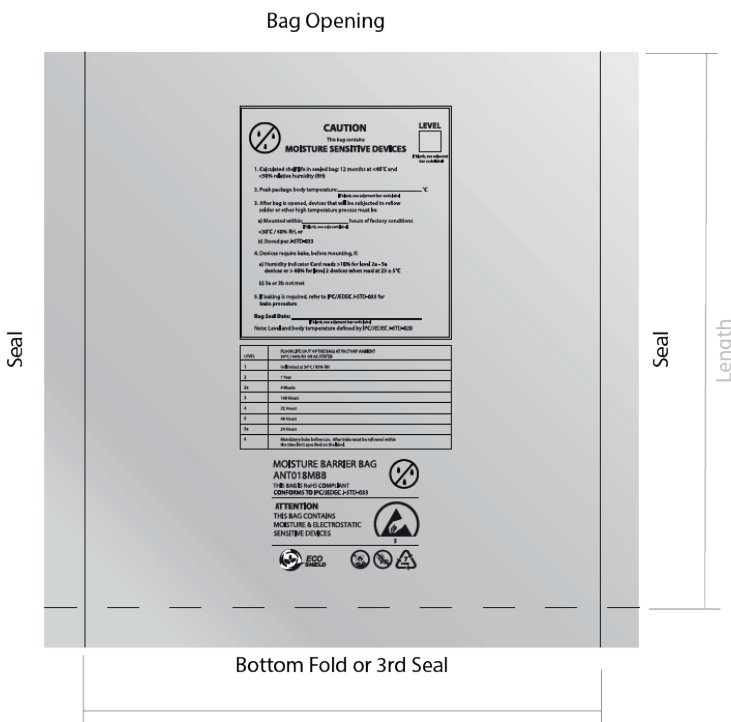


CONSTRUCTION

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

- Cleanroom packed to reduce risk of contamination
- 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 transportation and storing moisture sensitive devices such as circuit boards and electronic components.
- Flexible structure & easy to vacuum seal



PRODUCT CODE	DESCRIPTION	SIZE (INCH)	SIZE (MM)	NOTES
600-0136	Cleanroom Moisture Barrier Bag 3.6Mil	4 x 6	102 x 152	Pack of 100
600-0138	Cleanroom Moisture Barrier Bag 3.6Mil	10 x 20	254 x 508	Pack of 100

To request a quotation or for more information, please call **+44 (0)1473 836205** email info@integritycleanroom.co.uk or visit www.integritycleanroom.co.uk

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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



S



ANTISTAT.COM **DISCHARGE SHIELDING** THIS BAG IS RoHS COMPLIANT

	CAUTION	LEVEL
	This bag contains MOISTURE SENSITIVE DEVICES	
<p>1. Calculated shelf life in sealed bag: 12 months at <40°C and <90% relative humidity (RH)</p> <p>2. Peak package body temperature: _____ °C <small>If blank, see adjacent bar code label</small></p> <p>3. After bag is opened, devices that will be subjected to reflow solder or other high temperature process must be</p> <p>a) Mounted within: _____ hours of factory conditions <small>If blank, see adjacent label.</small> <30°C / 60% RH, or</p> <p>b) Stored per J-STD-033</p> <p>4. Devices require bake, before mounting, if:</p> <p>a) Humidity Indicator Card reads >10% for level 2a - 5a devices or > 60% for level 2 devices when read at 23 ± 5°C</p> <p>b) 3a or 3b not met</p> <p>5. If baking is required, refer to IPC/JEDEC J-STD-033 for bake procedure</p> <p>Bag Seal Date: _____ <small>If blank, see adjacent bar code label</small></p> <p>Note: Level and body temperature defined by IPC/JEDEC J-STD-020</p>		

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.

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.

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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 ⁸ - 10 ¹¹ 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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