



PRODUCT

Moisture Barrier Bag 3.6 Mil

TECHNICAL DATASHEET

CONSTRUCTION

The 3.6 Mil 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.



UGS : 001-005-00000

SACS BARRIÈRE HUMIDITÉ

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 10^6 - 10^{10} 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 personalized with your company logo on bespoke orders. Minimum order quantities apply.




**TORTORELLA
& PARTNERS**

24 Allée Isaac Newton, 33127 SAINT-JEAN-D'ILLAC
Siren : 849 350 954 R.C.S. Bordeaux - Capital social : 10 000 €



[tortorellapartners.com](https://www.tortorellapartners.com)





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 <math><40^{\circ}\text{C}</math> and <math><90\%</math> 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.
 - 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 $23 \pm 5^{\circ}\text{C}$
 - 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 

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

ATTENTION
THIS BAG CONTAINS
MOISTURE & ELECTROSTATIC
SENSITIVE DEVICES 

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ECO SHIELD





DISCHARGE SHIELDING THIS BAG IS RoHS COMPLIANT



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 ⁶ - 10 ¹⁰ Ohms
Moisture Vapor Transmission Rate	ASTM F 1249	≤0.0145 gram/100sq/in / 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