



Part of Ant Group Ltd

Static Shielding Bag_ANT010SSB

Features:

- Metal "Faraday cage" layer shields products from electric energy inside and prevents static build-up
- Four layer protection guards against charges inside and out
- Semi transparent for easy content identification
- Surface resistance of $10^8-10^{11}\Omega$
- Conforms to MIL-PRF-81705D Type III, EIA 625, EIA 541, ANSI/ESD S-20.20
- Custom sizes and print available on request
- Suitable for packing electronic products which are sensitive to static, eg PCB's, IC integrated circuit , CD driver, HD etc

Additional Notes:

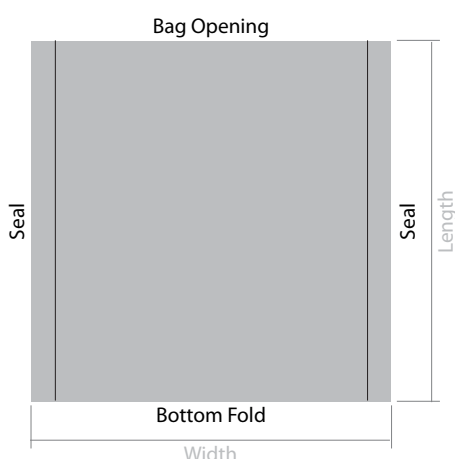
We recommend that all of our static shielding bags be used within 2 years from the date of manufacture. Store this product in its original packaging in a climate-controlled environment where temperature ranges from 21°C -23°C and relative humidity is 45 - 50%.



Outer Surface Dissipative Layer
Aluminized Polyester
Polyethylene
Inner Surface Dissipative Layer

Construction:

Our static shielding bags are constructed in four layers, consisting of a static dissipative polyester outer layer and a static dissipative polyethylene inner layer with a centre metallised shield layer.



Our bags are manufactured from industry approved polyester and polyethelene laminates. The polyester dielectric works with the metal layer to provide a Faraday effect, the metal layer preventing penetration from damaging electrostatic fields. The specially processed polyethelene keeps tribocharging to a minimum.

Configuration(s):

Our bags are available in custom sizes or in several industry standard sizes. Bags are offered in a 2-seal configuration and bottom fold, with our standard flexographically printed artwork. Please note any bags that are longer than 24" will have a 3rd seal along the bottom edge. Our bags can also be personalised with your company logo on any bespoke orders.

STATIC SHIELDING BAG

ANT010SSB

THIS BAG IS ROHS COMPLIANT

ATTENTION

OBSERVE PRECAUTIONS
FOR HANDLING ELECTROSTATIC
DISCHARGE SENSITIVE DEVICES



Standard Bag Artwork:

Our static shielding 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 MOQ of 20,000 bags on all printed bags.



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Test Conditions:

The following results were taken under the following environmental test conditions:

Temperature: 23°C / Humidity: 43%



Technical Parameters:

Item:	Test Standard:	Result:
Film Composition	N/A	PET-AL/PP
Film Thickness	Micron Meter	2.9mils-3.1mils
Metal Layer Resistance	ASTM D257	<100 Ω/sq
Metal Layer Optical Transmission	ASTM D1003	40% - 0.4 Optical Density
Surface Resistivity	ASTM D257	<10 ¹⁰ Ω/sq
Time for static removal	FTMS 101B Method 4046 - 5000-0V	<0.01 Sec
Friction Static	E1A541 Appendix C Avg.	TriboelectricNanocolombs Quartz<13n/in Teflon.<13n/in
Capacitance Release	E1A541 Voltage Difference	<10V
Anti-erosion	FTMS 101C Method 3005	No visible spots
Tensile Strength	ASTM D882	>18 lbs./in
Tear Initiation	ASTM D1004	>2.5 lbs./in
Puncture Resistance	ASTM D3420	>100 PSI
Tear Resistance	ASTM D882	>8 lbs./in
MVTR	ASTM E 96	<0.2 gm/100in-2/4hrs
Oxygen Barrier	ASTM D 3985	<0.5 CC/100in-2/4hrs
Heat Seal Temperature	-	250 - 375 °F
Heat Seal Pressure	-	30-70 PSI
Breaking Tensile Force	GB/96-04-10	N/15mm
Breaking Elongation Rate	GB/96-04-10	%
Laminating Strength	GB/96-04-10	N/15mm
Seal Strength	GB/96-04-10	N/15mm
Appearance	GB/96-04-10	No delamination, burst seal, wrinkle, warp, break, foreign particle adherence, air bubble beyond sealing $\phi \leq 3\text{mm}$

Test Conclusion: (Date of Issue: 2009-11-10)

The shielding bag is tested accordance 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



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Product Code:	Description:	Size (inches):	Size (mm):	Additional Notes:
010-0085	Static Shielding Bag	2 x 6	50.8 x 152	Pack of 100
010-0001	Static Shielding Bag	3 x 5	76 x 127	Pack of 100
010-0005	Static Shielding Bag	4 x 6	102 x 152	Pack of 100
010-0008	Static Shielding Bag	4 x 12	102 x 127	Pack of 100
010-0009	Static Shielding Bag	4 x 24	102 x 610	Pack of 100
010-0011	Static Shielding Bag	5 x 8	127 x 203	Pack of 100
010-0012	Static Shielding Bag	5 x 26	127 x 660.4	Pack of 100
010-0014	Static Shielding Bag	6 x 8	152 x 203	Pack of 100
010-0015	Static Shielding Bag	6 x 10	152 x 254	Pack of 100
010-0016	Static Shielding Bag	6 x 12	152 x 127	Pack of 100
010-0021	Static Shielding Bag	7 x 16	177.8 x 406	Pack of 100
010-0024	Static Shielding Bag	8 x 10	203 x 254	Pack of 100
010-0025	Static Shielding Bag	8 x 12	203 x 305	Pack of 100
010-0022	Static Shielding Bag	8 x 20	203 x 508	Pack of 100
010-0027	Static Shielding Bag	8 x 30	203 x 762	Pack of 100
010-0029	Static Shielding Bag	10 x 12	254 x 305	Pack of 100
010-0030	Static Shielding Bag	10 x 14	254 x 355	Pack of 100
010-0031	Static Shielding Bag	10 x 16	254 x 457	Pack of 100
010-0040	Static Shielding Bag	12 x 14	305 x 355	Pack of 100
010-0041	Static Shielding Bag	12 x 16	305 x 406	Pack of 100
010-0042	Static Shielding Bag	12 x 18	305 x 457	Pack of 100
010-0048	Static Shielding Bag	14 x 18	355 x 457	Pack of 100
010-0097	Static Shielding Bag	14 x 24	355 x 610	Pack of 100
010-0055	Static Shielding Bag	16 x 18	406 x 457	Pack of 100
010-0056	Static Shielding Bag	16 x 20	406 x 508	Pack of 100
010-0058	Static Shielding Bag	18 x 18	457 x 457	Pack of 100
010-0059	Static Shielding Bag	18 x 20	457 x 508	Pack of 100
010-0060	Static Shielding Bag	18 x 24	457 x 610	Pack of 100
010-0096	Static Shielding Bag	20 x 24	508 x 610	Pack of 100

Note: Other sizes available upon request.