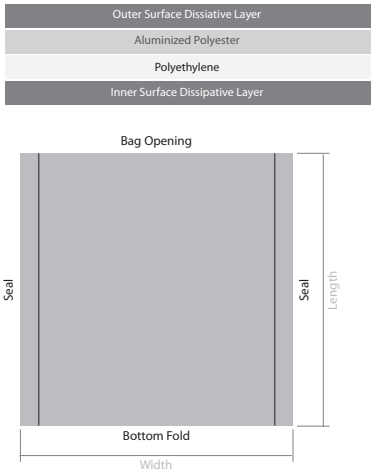
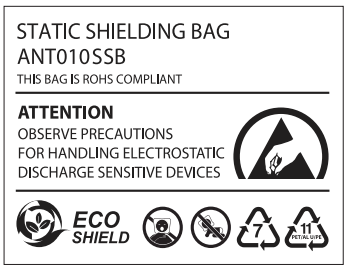
Static Shielding Bag

RoHS Compliant

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 EIA 625, EIA 541, ANSI/ESD S-20.20
- Suitable for packing electronic products which are sensitive to static.

Additional Notes:
We recommend that all of our static shielding bags be used within 2 years from the date of manufacture. Ideally 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%.





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 flexo-graphically printed artwork. Please note any bags that are longer than 24" will have a 3rd seal along the bottom edge.

Standard Bag Artwork:
Our static shielding bags are produced with the following sample artwork as standard.

Static Shielding Bag

Test Conditions:
The following results were taken under the following environmental test conditions:
Temperature: 23°C / Humidity: 43%

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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.	Triboelectric Nanocolombs Quartz<13n/in Tefion.<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 $\phi \leq 3$mm

Test Conclusion: (Date of Issue: 2009-11-10)**:** The shielding bag is tested accordance with the relevant test standard & 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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Description:	Size (inches)	Size (mm)	Additional Notes:
Static Shielding Bag	4 x 8	101.6 x 203	(Ref: 010-0006)100 pack
Static Shielding Bag	4 x 12	127 x 101.6	(Ref: 010-0008)100 pack
Static Shielding Bag	6 x 12	152 x 127	(Ref: 010-0016)100 pack
Static Shielding Bag	7 x 16	177.8 x 406	(Ref: 010-0021)100 pack
Static Shielding Bag	8 x 30	203 x 762	(Ref: 010-0027)100 pack
Static Shielding Bag	10 x 14	254 x 355	(Ref: 010-0030)100 pack
Static Shielding Bag	16 x 20	406 x 508	(Ref: 010-0056)100 pack
Static Shielding Bag	14 x 18	355 x 457	(Ref: 010-0048)100 pack
Static Shielding Bag	18 x 18	457 x 457	(Ref: 010-0058 100 pack