Antistat
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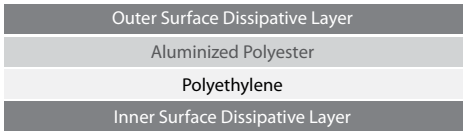
Static Shielding Ziplock Bag_ANT013SSB

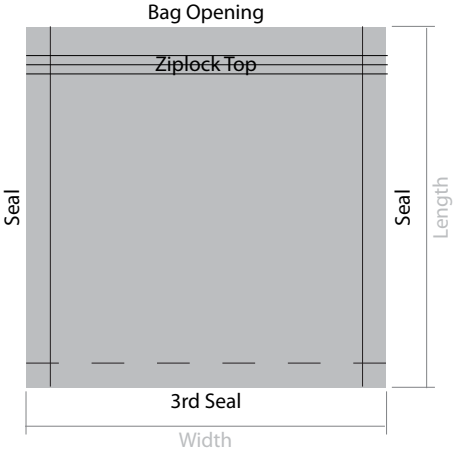
Features:
- Metal "Faraday cage" layer shields products from electric energy inside and prevents static build-up
- Four layer protection guards against charges inside and out
- Semi transparent for easy content identification
- Surface resistance of 10^{8}-$10^{11}\Omega$
- Conforms to MIL-PRF-81705D 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%.



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.

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% +/- 5% 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 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 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:
013-0001	Static Shielding Ziplock Bag	3 x 5	76 x 127	Pack of 100
013-0003	Static Shielding Ziplock Bag	4 x 6	102 x 152	Pack of 100
013-0004	Static Shielding Ziplock Bag	5 x 8	127 x 203	Pack of 100
013-0020	Static Shielding Ziplock Bag	6 x 8	152 x 203	Pack of 100
013-0005	Static Shielding Ziplock Bag	6 x 10	152 x 254	Pack of 100
013-0006	Static Shielding Ziplock Bag	8 x 10	203 x 254	Pack of 100
013-0007	Static Shielding Ziplock Bag	8 x 12	203 x 305	Pack of 100
013-0008	Static Shielding Ziplock Bag	10 x 12	254 x 305	Pack of 100
013-0009	Static Shielding Ziplock Bag	10 x 14	254 x 355	Pack of 100
013-0010	Static Shielding Ziplock Bag	12 x 16	305 x 406	Pack of 100
013-0011	Static Shielding Ziplock Bag	12 x 18	305 x 457	Pack of 100

Note: Other sizes available upon request.