



ANTISTAT

Static Shielding Bag

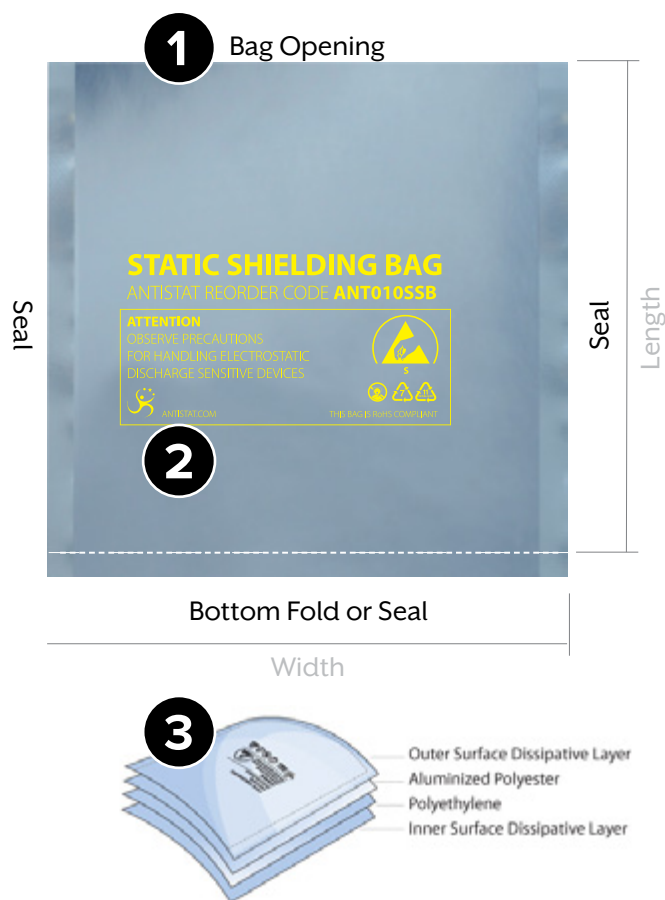
ANT010SSB

Description

These open top, easy access static shielding bags are designed to protect sensitive electronic devices against ESD during transit and whilst kept in storage.

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 & EN61340-51-ESD
- Custom sizes and print available on request
- Suitable for packing electronic products which are sensitive to static, eg PCBs, electronic components etc



1 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.

2 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.

3 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 polyethylene 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 polyethylene keeps tribocharging to a minimum.

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Test Conditions

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

Temperature: 23°C / Humidity: 12% RH

Technical Parameters:

Item	Test Standard	Result
Film Thickness	Micron Meter	3mils 75 micron
Metal Layer Optical Transmission	ASTM D1003 (TOBIAS)	40% +/- 5% optical density
Surface Resistivity	STM 11.11	$<10^{10} \Omega/\text{sq}$
Time for static removal	FTMS 101B Method 4046 - 5000-0V	<.03 Sec
Static Shielding - Energy Penetration	ESD-STM-11.31 @12% R.H.	<20 nJ
Static Shielding - Capacitive Probe	EIA 541 Appendix E	<25V
Friction Static	EIA541 Appendix C Avg.	Triboelectric nanocoulombs Quartz +0.01 Teflon -0.09
Anti-erosion	FTMS 101C Method 3005	No visible spots
Tensile Strength	ASTM D882-91, Method A	MD 6530 psi TD 5800 psi
Tear Initiation	ASTM D1004 -94-Notched	MD 2.5 lbs./in TD 2.0 lbs
Puncture Resistance	ASTM D3420	>10 psi
Tear Resistance	ASTM D882	>8 psi
Burst Strength	FTMS 101 C Method 2065.1	50 psi nominal
Heat Seal Temperature	-	250 - 375 °F
Heat Seal Pressure	-	30-70 PSI
Heat Seal Strength	(D1876-93) Vertrod bar sealer/heat	>12 lbs/in width (room temperature)
Breaking Elongation Rate	ASTM D882-91 Method A	MD 80% TD 85%
Appearance	GB/96-04-10	No delamination, burst seal, wrinkle, warp, break, foreign particle adherence, air bubble beyond sealing $\leq 3\text{mm}$

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

The shielding bag is tested accordance with the relevant test standard and requirements.

RoHS 2 and REACH Compliance Statement:

All of Antistat's products are RoHS and Reach compliant.

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	Size (Inches)	Size (mm)	Additional Notes
010-0085	2 x 6	50.8 x 152	Pack of 100
010-0001	3 x 5	76 x 127	Pack of 100
010-0005	4 x 6	102 x 152	Pack of 100
010-0008	4 x 12	102 x 305	Pack of 100
010-0009	4 x 24	102 x 610	Pack of 100
010-0013	4 x 27	102 x 685.8	Pack of 100
010-0187	5 x 7	127 x 177.8	Pack of 100
010-0011	5 x 8	127 x 203	Pack of 100
010-0012	5 x 26	127 x 660.4	Pack of 100
010-0014	6 x 8	152 x 203	Pack of 100
010-0015	6 x 10	152 x 254	Pack of 100
010-0016	6 x 12	152 x 305	Pack of 100
010-0075	6 x 14	152 x 356	Pack of 100
010-0018	6 x 30	152 x 762	Pack of 100
010-0021	7 x 16	177.8 x 406	Pack of 100
010-0024	8 x 10	203 x 254	Pack of 100
010-0025	8 x 12	203 x 305	Pack of 100
010-0022	8 x 20	203 x 508	Pack of 100
010-0027	8 x 30	203 x 762	Pack of 100
010-0029	10 x 12	254 x 305	Pack of 100
010-0030	10 x 14	254 x 355	Pack of 100
010-0031	10 x 16	254 x 406	Pack of 100
010-0040	12 x 14	305 x 355	Pack of 100
010-0041	12 x 16	305 x 406	Pack of 100
010-0042	12 x 18	305 x 457	Pack of 100
010-0048	14 x 18	355 x 457	Pack of 100
010-0097	14 x 24	355 x 610	Pack of 100
010-0055	16 x 18	406 x 457	Pack of 100
010-0056	16 x 20	406 x 508	Pack of 100
010-0058	18 x 18	457 x 457	Pack of 100
010-0059	18 x 20	457 x 508	Pack of 100
010-0060	18 x 24	457 x 610	Pack of 100
010-0096	20 x 24	508 x 610	Pack of 100
010-0067	20 x 30	508 x 762	Pack of 100

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Product Code	Size (Inches)	Size (mm)	Additional Notes
010-0006	4 x 8	102 x 203	Pack of 100
010-0007	4 x 15	102 x 381	Pack of 100
010-0075	6 x 14	152 x 356	Pack of 100

Note: Other sizes available upon request.

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