

PRODUCT

Static Shielding Bag Open Top - 010 Series

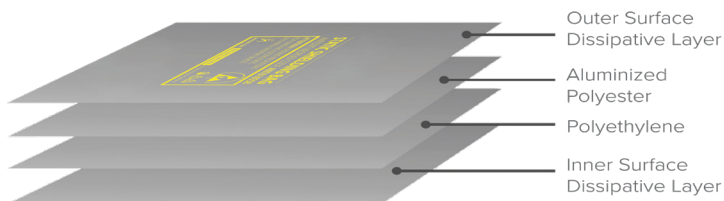
TECHNICAL DATASHEET



DESCRIPTION

These open-top, easy-access metal-in shielding bags are designed to protect sensitive electronic devices from electrostatic discharge (ESD) during transit and storage. Made from Their durable four-layer construction provides protection against internal and external charges, creating a Faraday cage that effectively shields contents from electrical energy and prevents static buildup. The bags are ESD-safe and semi-transparent, allowing for easy identification of the items inside. Ideal for the safe storage of PCBs, integrated circuits, motherboards, computer components, and more.

CONFIGURATION

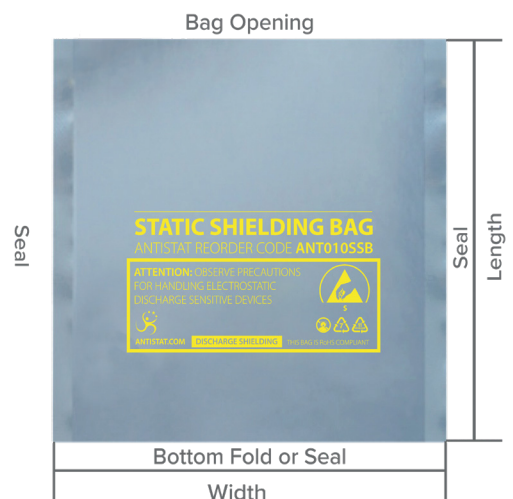


Note:

- Standard bag markings shown above and are not to scale
- Bags that are longer than 24" will have a 3rd seal along the bottom edge

FEATURES

- Metal "Faraday cage" layer
- 3mil (75 microns)
- Semi transparent for easy content identification
- Surface resistance of 10^6 - 10^{10} ohms
- Specially processed polyethylene layer (minimum 35% recycled material)



To request a quotation or for more information, please call **+44 (0)1473 836200**
email info@antistat.co.uk or visit www.antistat.co.uk

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TECHNICAL DATA

Results below were taken under the following environmental test conditions: Temperature: 23°C / Humidity: 12% RH.

ITEM	TEST METHOD	TYPICAL VALUE
Film thickness	Micron Meter	3mil 75 micron
Metal layer optical transmission	ASTM D1003 (TOBIAS)	40% +/- 5% optical density
Surface resistance	STM 11.11	10 ⁶ -10 ¹⁰ ohms
Time for static removal	FTMS 101B Method 4046 - 5000-OV	<.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	E1A541 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	-	No delamination, burst seal, wrinkle, warp, break, foreign particle adherence, air bubble beyond sealing ≤3mm

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 (inch)	SIZE (mm)	QUANTITY (per pack)
010-0085	2 x 6	51 x 152	100
010-0002	2 ½ x 3 ½	64 x 89	100
010-0001	3 x 5	76 x 127	100
010-0004	4 x 4	102 x 102	100
010-0005	4 x 6	102 x 152	100
010-0006	4 x 8	102 x 203	100
010-0008	4 x 12	102 x 305	100
010-0007	4 x 15	102 x 381	100
010-0066	4 x 21	102 x 533	100
010-0009	4 x 24	102 x 610	100
010-0013	4 x 27	102 x 686	100
010-0104	5 x 6	127 x 152	100
010-0011	5 x 8	127 x 203	100
010-0112	5 x 10	127 x 254	100
010-0012	5 x 26	127 x 660	100
010-0014	6 x 8	152 x 203	100
010-0015	6 x 10	152 x 254	100
010-0016	6 x 12	152 x 305	100
010-0075	6 x 14	152 x 356	100
010-0020	6 x 26	152 x 660	100
010-0018	6 x 30	152 x 762	100
010-0021	7 x 16	178 x 406	100
010-0023	8 x 8	203 x 203	100
010-0024	8 x 10	203 x 254	100
010-0025	8 x 12	203 x 305	100
010-0119	8 x 14	203 x 355	100
010-0035	8 x 16	203 x 406	100
010-0036	8 x 18	203 x 457	100
010-0022	8 x 20	203 x 508	100
010-0027	8 x 30	203 x 762	100
010-0028	10 x 10	254 x 254	100
010-0029	10 x 12	254 x 305	100

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PRODUCT CODE	SIZE (inch)	SIZE (mm)	QUANTITY (per pack)
010-0030	10 x 14	254 x 355	100
010-0031	10 x 16	254 x 406	100
010-0032	10 x 18	254 x 457	100
010-0034	10 x 24	254 x 610	100
010-0105	10 x 26	254 x 660	100
010-0033	10 x 30	254 x 762	100
010-0115	11 x 15	279 x 381	100
010-0038	12 x 12	305 x 305	100
010-0041	12 x 16	305 x 406	100
010-0042	12 x 18	305 x 457	100
010-0095	12 x 24	305 x 610	100
010-0049	14 x 12	355 x 305	100
010-0047	14 x 16	355 x 406	100
010-0048	14 x 18	355 x 457	100
010-0097	14 x 24	355 x 610	100
010-0055	16 x 18	406 x 457	100
010-0056	16 x 20	406 x 508	100
010-0058	18 x 18	457 x 457	100
010-0059	18 x 20	457 x 508	100
010-0060	18 x 24	457 x 610	100
010-0096	20 x 24	508 x 610	100
010-0080	20 x 46	508 x 1168	100
010-0078	24 x 30	610 x 762	100
010-0077	30 x 46	762 x 1168	100

Notes:

- Other sizes available upon request, minimum order quantities apply
- All of Antistat's products are RoHS 3 and Reach compliant
- Supports the following standards: IEC 61340-5-1, IEC 61340-5-3, ANSI/ESD S20.20, ANSI/ESD S541, ANSI/ESD S11.4 Level 3

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