

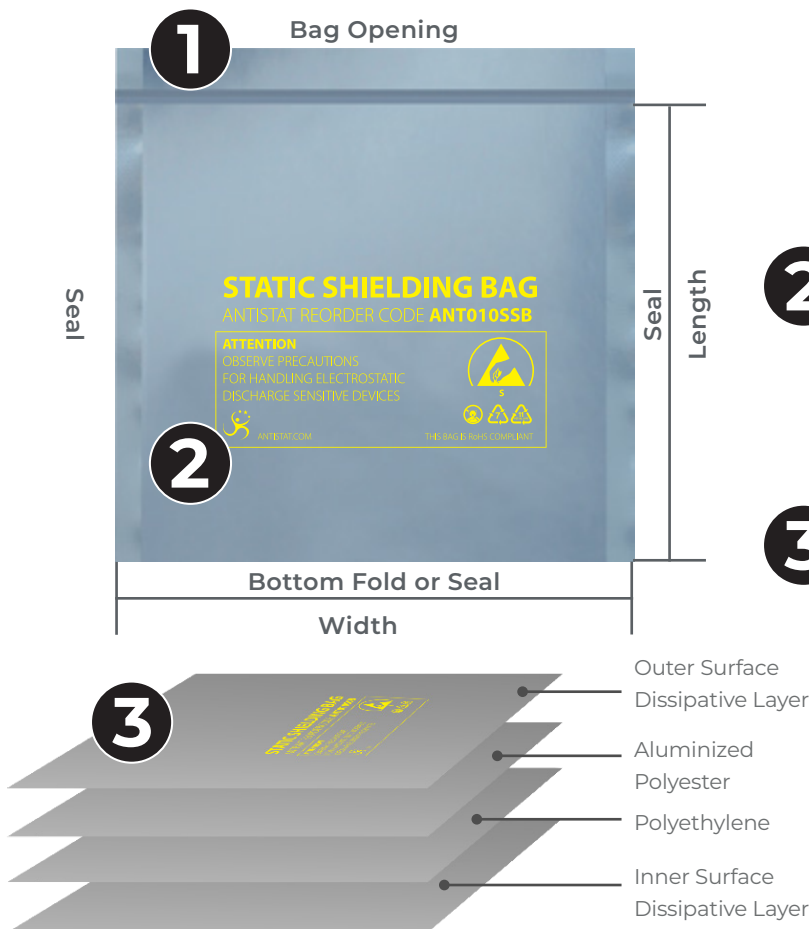
Static Shielding Bag

ANT010SSB

These open-top, easy access static shielding bags are designed to protect sensitive electronic devices against ESD during transit and while 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 106-1010ohm/sq
- Conforms to EIA 625, EIA 541, ANSI/ESD S-20.20
- Custom sizes and print available on request
- Suitable for packing electronic products that are sensitive to static, e.g. PCBs, electronic components etc...



1 Configuration(s)

Our bags are available in custom sizes or 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.

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.

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 center metallized 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.

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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 Ω/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 Tefion -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) Verrod 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 ≤3mm |

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Test Conditions: (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.



Buy online at
www.antistat.com



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 +1 512-580-4220



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sales@antistat.com



Message us on Live Chat
www.antistat.com

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