

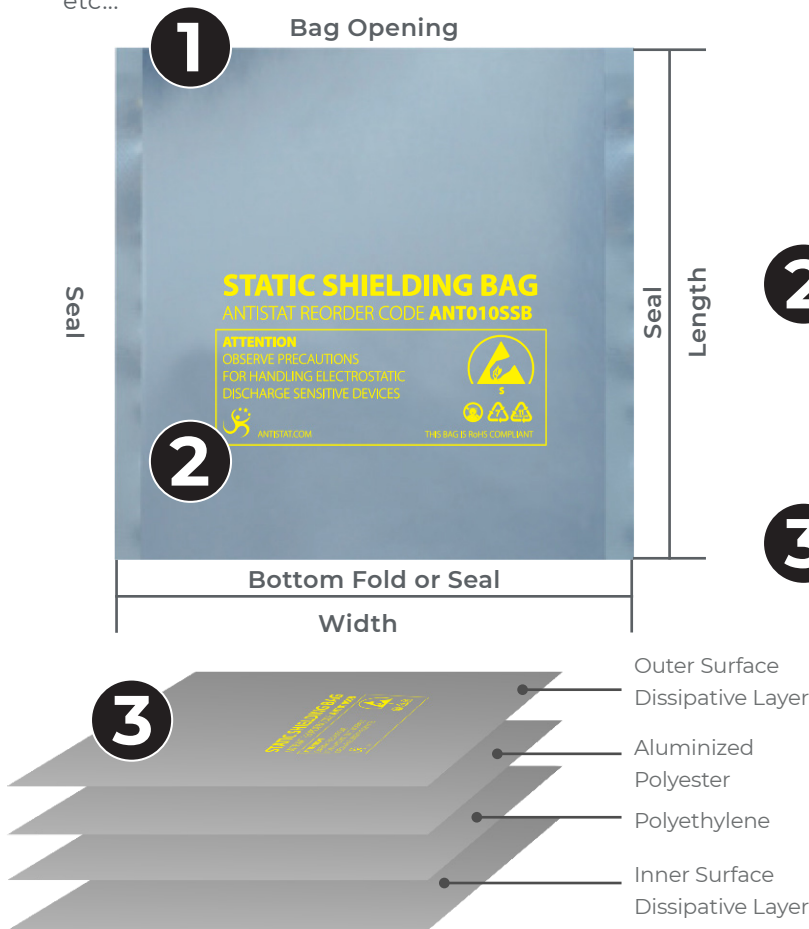
# Static Shielding Bag - Grip Seal

ANT013SSB

These grip seal, 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 10<sup>8</sup>-10<sup>11</sup> Ohms
- 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 that are sensitive to static, e.g. 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 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 <sup>6</sup> ohm <10 <sup>10</sup> ohm/sq   |
| Time For Static Removal               | FTMS 101B Method 4046 - 5000-0V | <.0.03 Sec  |
| Static Shielding - Energy Penetration | ESD-STM-11.31 @12% R.H.         | <10 nJ  |
| Static Shielding - Capacitive Probe   | EIA 541 Appendix E              | <10V  |
| Friction Static                       | E1A541 Appendix C Avg.          | Triboelectric nanocoulombs<br>Quartz +0.01 Tefion -0.09   |
| 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   |
| 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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## Static Shielding Bag - Grip Seal

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| Product Code | Description                      | Size (inches) | Size (mm) | Additional Notes |
|--------------|----------------------------------|---------------|-----------|------------------|
| 013-0001     | Static Shielding Bag - Grip Seal | 3 x 5         | 76 x 127  | Pack of 100      |
| 013-0003     | Static Shielding Bag - Grip Seal | 4 x 6         | 102 x 152 | Pack of 100      |
| 013-0004     | Static Shielding Bag - Grip Seal | 5 x 8         | 127 x 203 | Pack of 100      |
| 013-0020     | Static Shielding Bag - Grip Seal | 6 x 8         | 152 x 203 | Pack of 100      |
| 013-0005     | Static Shielding Bag - Grip Seal | 6 x 10        | 152 x 254 | Pack of 100      |
| 013-0006     | Static Shielding Bag - Grip Seal | 8 x 10        | 203 x 254 | Pack of 100      |
| 013-0007     | Static Shielding Bag - Grip Seal | 8 x 12        | 203 x 305 | Pack of 100      |
| 013-0008     | Static Shielding Bag - Grip Seal | 10 x 12       | 254 x 305 | Pack of 100      |
| 013-0009     | Static Shielding Bag - Grip Seal | 10 x 14       | 254 x 355 | Pack of 100      |
| 013-0010     | Static Shielding Bag - Grip Seal | 12 x 16       | 305 x 406 | Pack of 100      |

Note: Other sizes available upon request.



Buy online at  
[www.antistat.com](http://www.antistat.com)



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