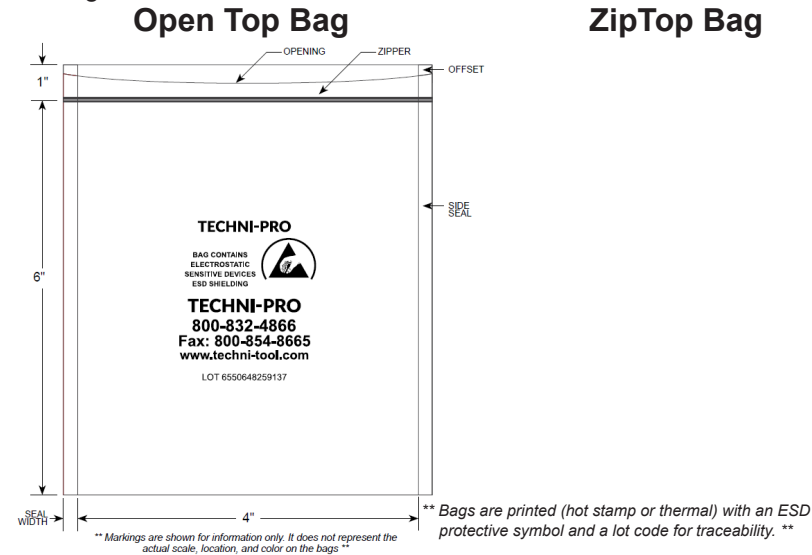


# Static Shielding Bag 1000 Series



This transparent metal-in static shielding bag is designed to provide a static safe environment for ESD sensitive electronic devices. Bags are printed with an ESD protective symbol and a lot code for traceability. Open top (1000 Series) and ZipTop (3000 Series) styles are available. The bags are heat sealable.

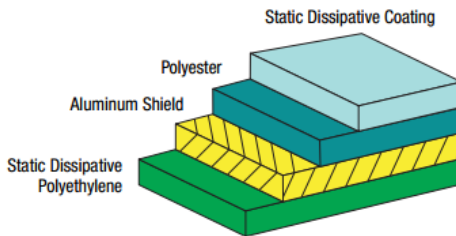
Techni-Pro Static Shielding Bags 1000 Series are manufactured from a polyester, metal, polyethylene laminate. The polyester dielectric in concert with the metal layer provides discharge shielding. The exterior being static dissipative allows electrostatic charges to be removed when grounded.



ZipTop Bag

Meets ANSI/ESD S20.20 and IEC 61340-5-1, Packaging standards ANSI/ESD S541 and IEC 61340-5-3, and Static Control Bag ANSI/ESD S11.4 Level 3

| Physical                      | Typical Value                                | Testing Method            |
|-------------------------------|--|---------------------------|
| Tensile Strength              | 4600 PSI, 32 MPa                             | ASTM D882                 |
| Puncture Resistance           | 12 lbs, 53 N                                 | MIL-STD-3010C Method 2065 |
| Seal Strength                 | 11 lbs, 48 N                                 | ASTM D882                 |
| Thickness                     | 2.8 mils, 0.071 mm +/-10%                    | MIL-STD-3010C Method 1003 |
| Marking Adhesion              | Pass   | IPC-TM-650 2.4.1          |
| Transparency                  | 40%  | Tobias                    |
| Electrical                    | Typical Value                                | Testing Method            |
| ESD Shielding                 | <10 nJ                                       | ANSI/ESD STM11.31         |
| Surface Resistance - Interior | $1 \times 10^4$ to $< 1 \times 10^{11}$ ohms | ANSI/ESD STM11.11         |
| Surface Resistance - Exterior | $< 1 \times 10^{11}$ ohms                    | ANSI/ESD STM11.11         |
| Static Decay                  | < 2 seconds                                  | ETS 406D                  |
| Cleanliness                   | Typical Value                                | Testing Method            |
| Silicone                      | Not Detected                                 | FTIR                      |
| Heat Sealing Conditions       | Typical Value                                |                           |
| Temperature                   | 300°F – 375°F, 149°C – 190°C                 |                           |
| Time                          | 0.5 – 3.5 seconds                            |                           |
| Pressure                      | 30 – 70 PSI, 206 – 482 KPa                   |                           |



Bag is free of amines, silicones and heavy metals.

This product is intended for commercial use only. This product is not on the Qualified Product Listing under the Defense Standardization Program.



Specifications and procedures subject to change without notice.

Rev: MAR23

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