



Features:

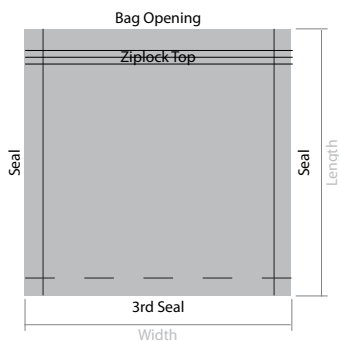
- Metal "Faraday cage" layer shields products from electric energy inside and prevents static build-up
- Four layer protection guards against charges inside and out
- Semi transparent for easy content identification
- Surface resistance of 10^8 - $10^{11}\Omega$
- Conforms to MIL-PRF-81705D Type III, EIA 625, EIA 541, ANSI/ESD S-20.20
- Suitable for packing electronic products which are sensitive to static, eg PCB's, IC integrated circuit , CD driver, HD etc



Additional Notes:

We recommend that all of our static shielding bags be used within 2 years from the date of manufacture. Store this product in its original packaging in a climate-controlled environment where temperature ranges from 21°C -23°C and relative humidity is 45 - 50%.

| |
|---------------------------------|
| Outer Surface Dissipative Layer |
| Aluminized Polyester |
| Polyethylene |
| Inner Surface Dissipative Layer |



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.

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.

Standard Bag Artwork:

Our static shielding bags are produced with the following sample artwork as standard.

STATIC SHIELDING BAG
ANT013SSB
THIS BAG IS ROHS COMPLIANT

ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING ELECTROSTATIC
DISCHARGE SENSITIVE DEVICES

| Product Code: | Description: | Size (in): | Size (mm): | Additional Notes: |
|---------------|------------------------------|------------|------------|-----------------------------|
| 1687791 | Static Shielding Ziplock Bag | 10 x 12 | 254 x 305 | Pack of 100 (Ref: 013-0008) |

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Static Shielding Bag_ANT013SSB



Test Conditions:

The following results were taken under the following environmental test conditions:
Temperature: 23°C / Humidity: 43%



Technical Parameters:

| Item: | Test Standard: | Result: |
|----------------------------------|---------------------------------|---|
| Film Composition | N/A | PET-AL/PP |
| Film Thickness | Micron Meter | 2.9mils-3.1mils |
| Metal Layer Resistance | ASTM D257 | <100 Ω/sq |
| Metal Layer Optical Transmission | ASTM D1003 | 40% - 0.4 Optical Density |
| Surface Resistivity | ASTM D257 | <10 ¹⁰ Ω/sq |
| Time for static removal | FTMS 101B Method 4046 - 5000-0V | <0.01 sec |
| Friction Static | E1A541 Appendix C Avg. | Triboelectric Nanocolombs Quartz<13n/in Teflon.<13n/in |
| Capacitance Release | E1A541 Voltage Difference | <10V |
| Anti-erosion | FTMS 101C Method 3005 | No visible spots |
| Tensile Strength | ASTM D882 | >18 lbs./in |
| Tear Initiation | ASTM D1004 | >2.5 lbs./in |
| Puncture Resistance | ASTM D3420 | >100 PSI |
| Tear Resistance | ASTM D882 | >8 lbs./in |
| MVTR | ASTM E 96 | <0.2 gm/100in-2/4hrs |
| Oxygen Barrier | ASTM D 3985 | <0.5 CC/100in-2/4hrs |
| Heat Seal Temperature | - | 250 - 375 °F |
| Heat Seal Pressure | - | 30-70 PSI |
| Breaking Tensile Force | GB/96-04-10 | N/15mm |
| Breaking Elongation Rate | GB/96-04-10 | % |
| Laminating Strength | GB/96-04-10 | N/15mm |
| Seal Strength | GB/96-04-10 | N/15mm |
| Appearance | GB/96-04-10 | No delamination, burst seal, wrinkle, warp, break, foreign particle adherence, air bubble beyond sealing φ ≤3mm |

Test Conclusion: (Date of Issue: 2009-11-10): The shielding bag is tested accordance with the relevant test standard & requirements.

| 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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