

METAL- IN STATIC SHIELDING BAGS

I. Description

Static Technologies shielding bags provide maximum protection for storage and transport of ESD sensitive devices. These bags create a Faraday cage effect that protect devices from external electrostatic fields. The antistatic interior prevents tribocharging caused by movement of the bag's contents. The buried metal construction prevents damage to the metal layer from abrasion or creasing; providing longer life of bags.

II. Constructions

- Static dissipative coating (exterior)
- Polyester
- Aluminum Shield
- Static dissipative polyethylene (interior)

III. Specifications

Physical Properties

Thickness: 2.9 mil

Tensile Strength: 15 lbs./in per ASTM D-882

Puncture Resistance: 12 lbs. per FTMS 101C Method 2065

Tear Initiation: > 2 lbs. per ASTM-D-1004-94A

Mullen Burst: 82 psi per ASTM D-774

Seam Strength: > 12 lbs./in per ASTM D-882

Haze: 4% per ASTM D-1003

Transparency: 40% per ASTM D-1003

Heat Sealing: 250 - 375°F, 0.5 - 3.5 sec., 30 - 70 psi

Electrical Properties

Surface resistivity (both exterior and interior): $<10^{12}$ ohms/square per ASTM D-257 at 15% RH

Surface resistance of metal layer: <100 ohms per ETS-803 at 15% RH

Electrostatic Decay: 0.1 sec per FTMS 101 Method 4046

Chemical Properties

Contact Corrosivity: No visible sign per FTMS 101 C Method 3005

Ion Content: free of amine, sodium, fluoride, sulfate, phosphate, and chloride ions.

IV. Part Numbers

Static Technologies shielding bags are available in a standard opening or with a "zip-top" closure.

Size	Standard	Zip Top
3" x 5"	SS-0305	ST-0305
4" x 4"		ST-0404
4" x 6"	SS-0406	ST-0406
5" x 8"	SS-0508	ST-0508
6" x 8"	SS-0608	ST-0608
6" x 10"	SS-0610	ST-0610
8" x 10"	SS-0810	ST-0810
8" x 12"	SS-0812	ST-0812
10" x 12"	SS-1012	ST-1012
10" x 14"		ST-1014
11" x 15"	SS-1115	ST-1115
12" x 16"	SS-1216	ST-1216
12" x 18"	SS-1218	ST-1218
14" x 18"		ST-1418
15" x 18"	SS-1518	ST-1518
18" x 18"	SS-1818	
18" x 24"	SS-1824	

Sold in packs of 100

All statements, technical information and recommendations related to the seller's products are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before using the product, the user should determine the suitability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use.

Static Technologies Corporation ♦ 61 Pleasant Street ♦ Randolph, MA 02368 U.S.A.

Telephone: 781-961-7220

Email: statictech@xensei.com

Fax: 781-961-1858

Website: www.static-tech.com