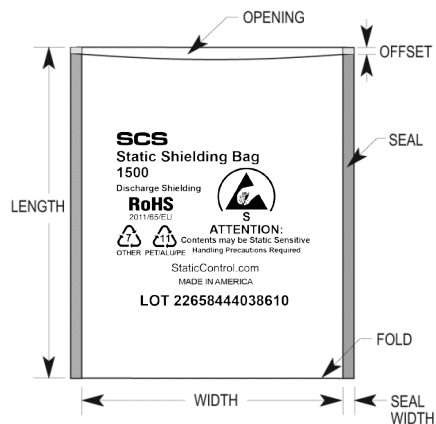


Metal-Out Static Shielding Bag 1500

This transparent metal-out static shielding bag is designed to provide static safe packaging for the shipment and/or storage of ESD sensitive items including outside ESD protected areas. Bags are printed with an ESD protective symbol and a lot code for traceability. Open Top and ZipTop styles are available. The bags are heat sealable.

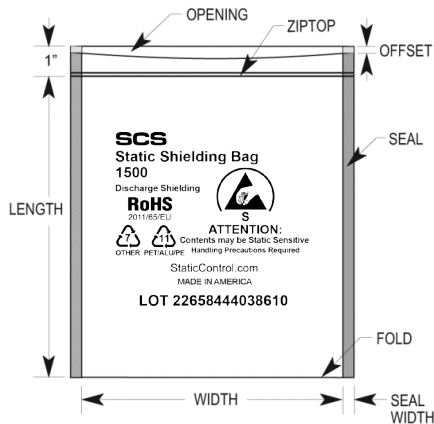
SCS Metal-Out Static Shielding Bags 1500 are manufactured from a top coated metallized polyester and polyethylene laminate. The proprietary top coating is designed to protect the metal layer and quickly discharge any electrical field. Polyester dielectric, in concert with the metal layer, provides shielding for the bag contents from Electrostatic Discharge (ESD) and helps minimize the penetration of an electrical field.

Open Top Bag

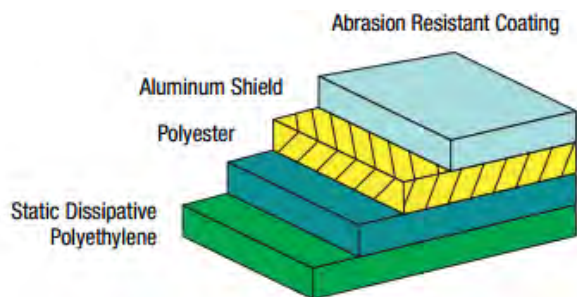


Tolerance: Width -0, +1/4"
Length +/- 1/8" Offset 0 to 1/4"
Seal width 3/8" with a tolerance of +/- 1/8"

ZipTop Bag



Note: Standard bag markings shown above and are not to scale.



RoHS 3, REACH, and Conflict Minerals Statement

None of the RoHS 3 restricted materials or REACH substances of very high concern as of 2017/07/07, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE.

Meets ANSI/ESD S20.20, Packaging Standard ANSI/ESD S541, and Static Control Bag ANSI/ESD S11.4 Level 3

Physical	Typical Value	Testing Method
Puncture Resistance	10 lbs, 44 N	MIL-STD-3010 Method 2065
Seal Strength	14 lbs, 62 N	ASTM D882
Thickness	3 mils, .0762 mm +/-10%	MIL-STD-3010 Test Method 1003 Method B
Marking Adhesion	Pass	IPC-TM-650 2.4.1
Transparency	40%	Tobias
Electrical	Typical Value	Testing Method
Discharge Shielding	<10 nJ	ANSI/ESD STM11.31
Surface Resistance - Interior	1×10^4 to $< 1 \times 10^{11}$ ohms	ANSI/ESD STM11.11
Surface Resistance - Exterior	1×10^4 to $< 1 \times 10^6$ ohms	ANSI/ESD STM11.11
Charge Retention	<100 volts	1410.515 Rev 2
Cleanliness	Typical Value	Testing Method
Silicone	Not Detected	ASTM-E168 (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, N-octanoic acid, 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.



1500 SERIES METAL-OUT STATIC SHIELDING BAG

SCS

1.888.610.7664



www.calcert.com

sales@calcert.com

**DRAWING
NUMBER**
1500 Series

DATE
October
2017