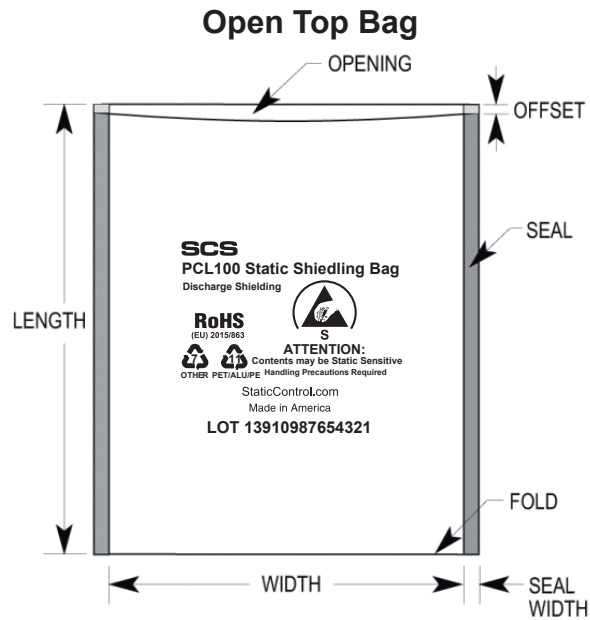


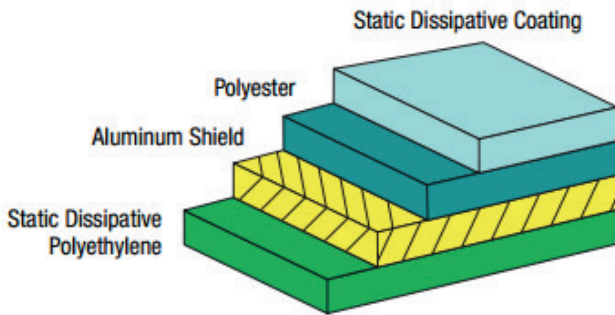
PCL100 Metal-In Static Shielding Bag

SCS PCL100 Metal-In Static Shielding Bag is certified to IEST-STD-CC1246E Level 100, and is designed to provide a static safe environment for ESD sensitive electronic devices. Addresses concern for Surface Particulate in cleanroom applications. Bags are embossed with an ESD protective symbol and a lot code for traceability. Open top styles are available. The bags are heat sealable. Standard and Custom size bags and rolls are available.

SCS PCL100 Metal-In Static Shielding Bags 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.



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



Meets ANSI/ESD S20.20, Packaging standard ANSI/ESD S541, and Static Control Bag ANSI/ESD S11.4 Level 3, and is certified to IEST-STD-CC1246E Level 100



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	1×10^4 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
Particles / 0.1 m2		IEST-STD-CC1246E Method 6.3 and LPC
5 - 15 μ m	≤ 1519	
15 - 25 μ m	≤ 186	
25 - 50 μ m	≤ 67	
50 - 100 μ m	≤ 9	
100 - 250 μ m	≤ 1	
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.

Specifications and procedures subject to change without notice.

EP07013xx - PCL100 METAL-IN STATIC SHIELDING BAG