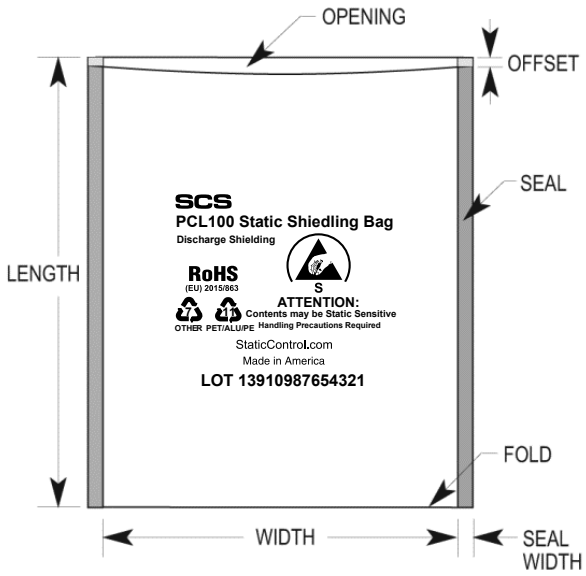
PCL100 Metal-In Static Shielding Bag

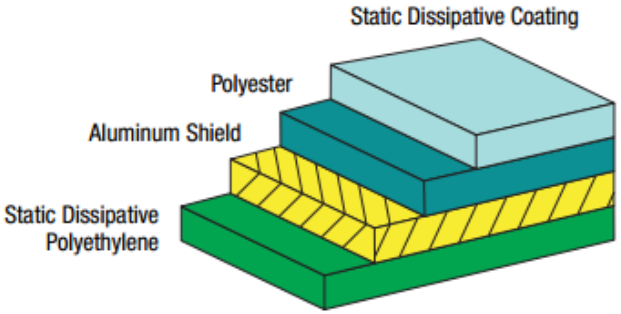
SCS PCL100 Metal-In Static Shielding Bag is certified to IEST-STD-CC1246E Level 100, and is designed to provide a static safe environment for ESD sensitive electronic devices. Addresses concern for Surface Particulate in cleanroom applications. Bags are embossed with an ESD protective symbol and a lot 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.

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"



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 x 10^4 to < 1 x 10^{11} ohms	ANSI/ESD STM11.11
Surface Resistance - Exterior	< 1 x 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		
5 - 15 µm	≤ 1519	IEST-STD-CC1246E Method 6.3 and LPC
15 - 25 µm	≤ 186	
25 - 50 µm	≤ 67	
50 - 100 µm	≤ 9	
100 - 250 µm	≤ 1	
Heat Sealing Conditions	**Typical Value**	
Temperature	300ºF – 375°F, 149ºC – 190°C	
Time	0.5 – 3.5 seconds	
Pressure	30 – 70 PSI, 206 – 482 KPa	

Bag is free of amines, silicones and heavy metals.

RoHS, REACH and Conflict Minerals, Statement
See the SCS RoHS, REACH, and Conflict Minerals Statement:
http://staticcontrol.com/PDF/Regulatory_Statement_SCS_Bags.pdf

See the SCS Limited Warranty:
StaticControl.DescoIndustries.com/Limited-Warranty.aspx

Made in the United States of America

Specifications and procedures subject to change without notice.

PCL100 METAL-IN STATIC SHIELDING BAG

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DRAWING NUMBER	DATE
PCL100 Series	September 2021

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