



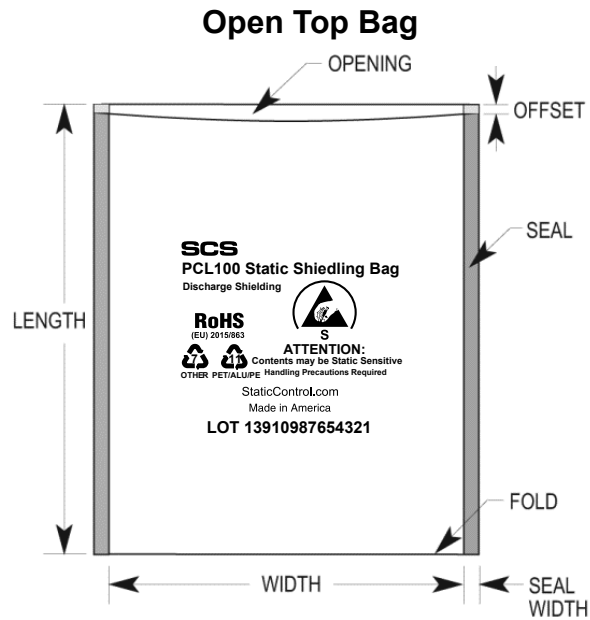
**THE DATASHEET OF  
PCL1001012**



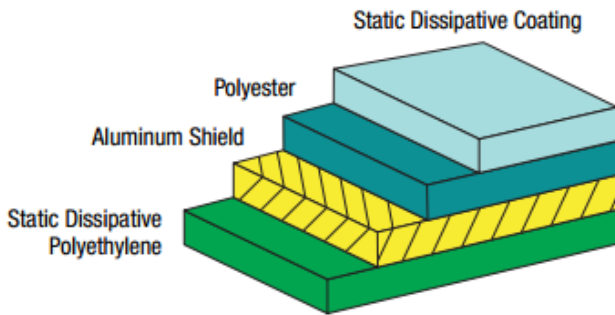
# PCL100 Metal-In Static Shielding Bag

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	$1 \times 10^4$ 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 $\mu$ m	$\leq 1519$	
15 - 25 $\mu$ m	$\leq 186$	
25 - 50 $\mu$ m	$\leq 67$	
50 - 100 $\mu$ m	$\leq 9$	
100 - 250 $\mu$ m	$\leq 1$	
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.

**RoHS, REACH and Conflict Minerals, Statement**  
 See the SCS RoHS, REACH, and Conflict Minerals Statement:  
[http://staticcontrol.com/PDF/Regulatory\\_Statement\\_SCS\\_Bags.pdf](http://staticcontrol.com/PDF/Regulatory_Statement_SCS_Bags.pdf)

See the SCS Limited Warranty:  
[StaticControl.DescoIndustries.com/Limited-Warranty.aspx](http://StaticControl.DescoIndustries.com/Limited-Warranty.aspx)



Specifications and procedures subject to change without notice.

PCL100 METAL-IN STATIC SHIELDING BAG		
926 JR Industrial Drive, Sanford, NC 27332 WEB SITE: StaticControl.com PHONE (919) 718-0000   WEST: (909) 627-9634	<b>DRAWING NUMBER</b> PCL100 Series	<b>DATE</b> September 2021



## Looking for pricing, stock, or lifecycle information?

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