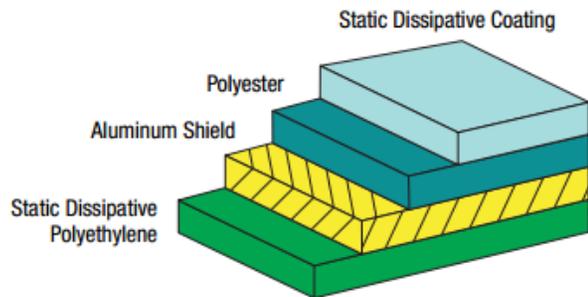


PCL100 Metal-In Static Shielding Film

SCS PCL100 Metal-In Static Shielding Film 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.

SCS PCL100 Metal-In Static Shielding Film is 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.



RoHS, REACH, and Conflict Minerals Statement
 See the DESCO INDUSTRIES INC RoHS, REACH and Conflict Minerals Statement:
Descoindustries.com/ROHS3.aspx
 See the SCS Limited Warranty:
StaticControl.com/Limited-Warranty.aspx

Meets ANSI/ESD S20.20, Packaging standard ANSI/ESD S541

Physical	Typical Value	Testing Method
Tensile Strength	4600 PSI, 32 MPa	ASTM D882
Puncture Resistance	12 lbs, 53 N	MIL-STD-3010C Method 2065
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	MIL-STD-3010 Method 4046
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	

Film is free of amines, silicones and heavy metals.

Stock Item Numbers	Roll Size
PCL100R 36X100	36" x 100'
PCL100R 36X500	36" x 500'

Film rolls are made with PE cores (plastic) for rolls 48" in width and smaller, and Paper cores > 48" wide

*Custom sizes available

Tolerance: Width $\pm 1/8$ "; Length $\pm 10\%$
 Unless otherwise noted, $\pm 10\%$
 Specifications and procedures subject to change without notice.



Made in the United States of America

PCL100 METAL-IN STATIC SHIELDING FILM

926 JR Industrial Drive, Sanford, NC 27332
 WEB SITE: StaticControl.com
 PHONE (919) 718-0000 | WEST: (909) 627-9634

DRAWING NUMBER
 PCL100 Series

DATE
 September 2020

