

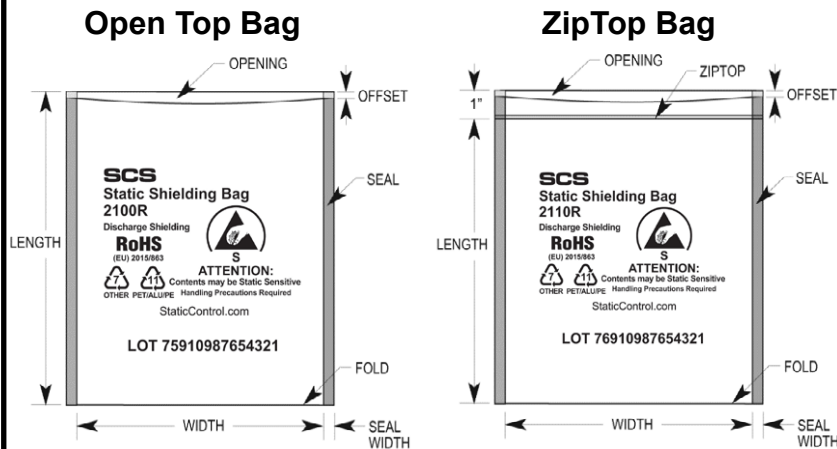
# Metal-Out Static Shielding Bag 2100R/2110R



The transparent, puncture resistant 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. The metal layer is positioned near the outer surface to help reduce voltage retention and enhance static decay. Bags are printed with an ESD protective symbol and a lot code for traceability. Open Top (2100R) and ZipTop (2110R) styles are available. The bags are heat sealable.

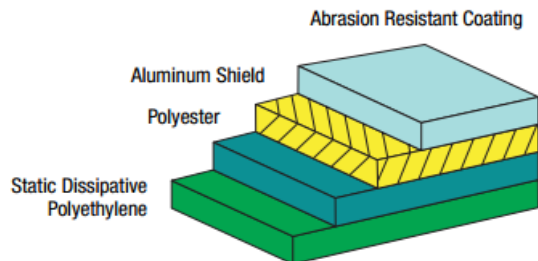
SCS Static Shielding Bags are manufactured from a top coat, metal, polyester, polyethylene laminate. The proprietary top coating is designed to protect the metal layer. Polyester dielectric, in concert with the metal layer, provides shielding of Electrostatic Discharge (ESD) to minimize the penetration of electric fields and discharges.

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



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

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



Physical	Typical Value	Testing Method
Tensile Strength	8000 PSI, 55 MPa	ASTM D882
Puncture Resistance	24 lbs, 106 N	MIL-STD-3010C Method 2065
Seal Strength	18 lbs, 80 N	ASTM D882
Thickness	3.2 mils, 0.081 mm ± 10%	MIL-STD-3010C Method 1003
Marking Adhesion	Pass	IPC-TM-650 2.4.1
Transparency	37%	Tobias
Electrical	Typical Value	Testing Method
ESD Shielding	<10 nJ	ANSI/ESD STM11.31
Surface Resistance - Interior	1x10 <sup>4</sup> to <1x10 <sup>11</sup> ohms	ANSI/ESD STM11.11
Surface Resistance - Exterior	1x10 <sup>4</sup> to <1x10 <sup>6</sup> ohms	ANSI/ESD STM11.11
Charge Retention	<100 volts	SCS Test Method 1410.515
Cleanliness	Typical Value	Testing Method
Silicone	Not Detected	FTIR
Heat Sealing Conditions	Typical Value	
Temperature	375°F, 190°C	
Time	0.5 – 3.5 seconds	
Pressure	30 – 70 PSI, 206 – 482 KPa	

This product is intended for commercial use only. This product is not on the Qualified Product Listing under the Defense Standardization Program.

### RoHS, REACH, and Conflict Minerals Statement

See the DESCO INDUSTRIES INC RoHS, REACH and Conflict Minerals Statement: [Descoindustries.com/ROHS3.aspx](http://Descoindustries.com/ROHS3.aspx)

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



Made in the United States of America

Specifications and procedures subject to change without notice.

## 2100R/2110R SERIES METAL-OUT STATIC SHIELDING BAG

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**DRAWING NUMBER**  
2100R/2110R

**DATE**  
August 2019

# SCS