

This product is on the Qualified Product Listing under the Defense Standardization Program. Check our listing [here](#).



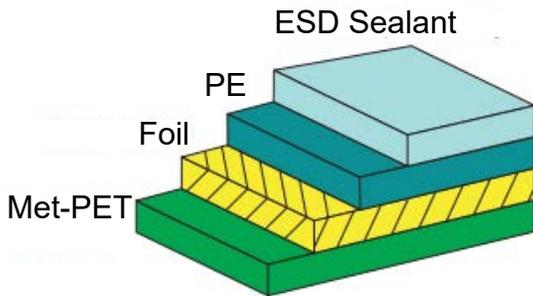
SCS ESD Barrier Bag 817I Series are manufactured from CADPAK ESD with four layers - Met-PET, Foil, PE, ESD-Sealant. Barrier Material is watervaporproof, electrostatic protective, electrostatic and electromagnetic shielding, flexible, and heat-sealable. Film is qualified to the latest revision of MIL-PRF-81705 Type I, Class 1.

Bags are converted per MIL-DTL-117 unless otherwise requested. As such, the bag markings will contain not only the required MIL-PRF-81705 markings but also the stamp shown here:

**SCS
MIL-DTL-117
TYPE I CLASS F STYLE 1
EMI/STATIC SHIELD BAG, 817I SERIES
LOT NO.**

*Note: Default color is yellow. Artwork not to scale. ** Bags are printed (hot stamp or thermal) and a lot code for traceability. ***

If your packaging needs do not include meeting MIL-DTL-117, bags can be converted from qualified film per your packaging requirements.



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

Physical	Typical Value	Testing Method
Tensile Strength	4100 PSI, 28 MPa	ASTM D882
Puncture Resistance	19 lbs, 85 N	MIL-STD-3010
Seam Strength	19 lbs/in	ASTM F88
Thickness	4.5 mils, 0.114 mm +/-10%	ASTM D2103
WVTR	0.0005 g/100 in ² /day @90% RH, 40°C	ASTM F1249
OTR	0.0005 cc/100 in ² /day @0% RH, 23°C	ASTM D3985
Electrical	Typical Value	Testing Method
EMI Attenuation	≥ 30 db	MIL-PRF-81705
ESD Shielding	0.45 volts	EIA-541 Appendix
Surface Resistance - Interior	≥ 1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	MIL-PRF-81705
Surface Resistance - Exterior	Undetectable	
Static Decay	≤ 1 seconds	MIL-PRF-81705
Heat Sealing Conditions	Typical Value	
Temperature	325°F - 425°F, 163°C - 218°C	
Time	1 second	
Pressure	40 PSI, 276 KPa	



Made in the United States of America

Bag is free of silicones and heavy metals. Specifications and procedures subject to change without notice.

ESD BARRIER BAG, 817I SERIES, MIL-DTL-117, MIL-PRF-81705 TYPE I, CLASS 1



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

DRAWING NUMBER
817I Bags

DATE
November 2025