

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



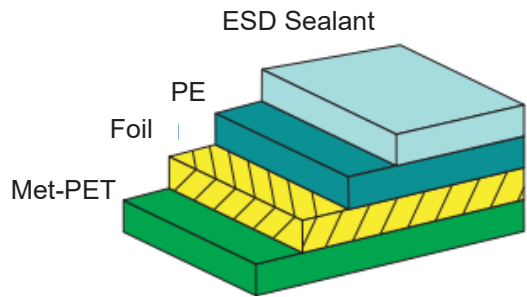
SCS ESD Barrier Bag 817I Series are manufactured from four layers - Met-PET, Foil, PE, ESD-Sealant. Barrier Material is watervaporproof, electrostatic protective, electrostatic and electromagnetic shielding, flexible, and heat-sealable. Film is qualified to MIL-PRF-81705E Type I, Class 1.

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

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

Note: Default color is yellow. Artwork not to scale.

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



RoHS 3, REACH, and Conflict Minerals Statement

None of the RoHS 3 restricted materials or REACH substances of very high concern as of 2017/07/07, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See [SCS Warranty, Limitation of Liability and Remedies](#)



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 F12t49
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-81705E
ESD Shielding	0.45 volts	EIA-541 Appendix
Surface Resistivity - Interior	≥ 1 x 10 ⁵ to < 1 x 10 ¹² ohms/sq	MIL-PRF-81705E
Surface Resistivity - Exterior	< 1 x 10 ¹² ohms/sq	MIL-PRF-81705E
Static Decay	≤ 1 seconds	MIL-PRF-81705E
Heat Sealing Conditions	Typical Value	
Temperature	375°F, 191°C	
Time	1 seconds	
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-117H, MIL-PRF-81705E TYPE I, CLASS 1



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DRAWING NUMBER
 817I Bags

DATE
 April 2018