

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



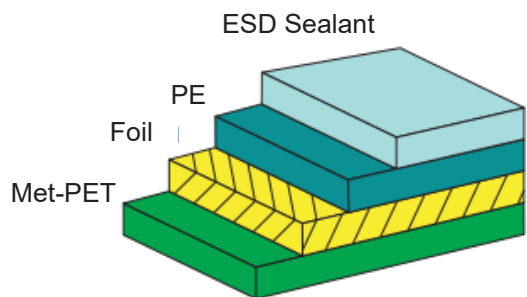
SCS ESD Barrier Bag 817I Series are manufactured from four layers - Met-PET, Foil, PE, ESD-Sealant. Barrier Material is watervaporproof, electrostatic protective, electrostatic and electromagnetic shielding, flexible, and heat-sealable. Film is qualified to MIL-PRF-81705E Type I, Class 1.

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 $\pm$ 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	$\geq$ 30 db	MIL-PRF-81705E
ESD Shielding	0.45 volts	EIA-541 Appendix
Surface Resistivity - Interior	$\geq 1 \times 10^5$ to $< 1 \times 10^{12}$ ohms/sq	MIL-PRF-81705E
Surface Resistivity - Exterior	$< 1 \times 10^{12}$ ohms/sq	MIL-PRF-81705E
Static Decay	$\leq$ 1 seconds	MIL-PRF-81705E
Heat Sealing Conditions	Typical Value	
Temperature	375°F, 191°C	
Time	1 seconds	
Pressure	40 PSI, 276 KPa	



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

SCS

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**DRAWING
NUMBER**
 817I Bags

DATE
 April
 2018