

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



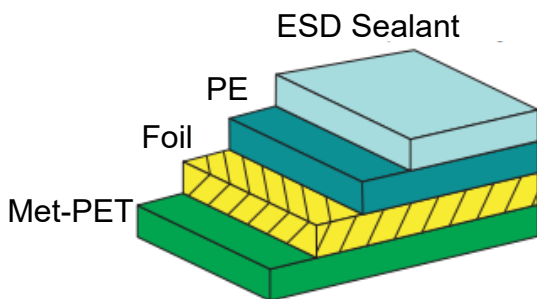
SCS ESD Barrier Bag 817I Series are manufactured from CADPAK ESD with four layers - Met-PET, Foil, PE, ESD-Sealant. Barrier Material is watervaporproof, electrostatic protective, electrostatic and electromagnetic shielding, flexible, and heat-sealable. Film is qualified to MIL-PRF-81705E Type I, Class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

Bags are converted per MIL-DTL-117H unless otherwise requested. As such, the bag markings will contain not only the required MIL-PRF81705E 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.



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 F12149
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	Undetectable	
Static Decay	≤ 1 seconds	MIL-PRF-81705E
Heat Sealing Conditions	Typical Value	
Temperature	325°F - 425°F, 163°C - 218°C	
Time	1 second	
Pressure	40 PSI, 276 KPa	

RoHS, REACH, and Conflict Minerals Statement

See the Desco Industries RoHS, REACH, and Conflict Minerals Statement:

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

1.800.561.8187

www.itm.com

information@itm.com

**DRAWING
NUMBER**
817I Bags

DATE
September
2019