

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



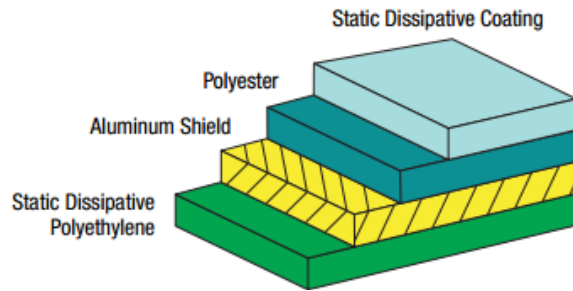
SCS Static Shield Bag 81705 Series are manufactured from four layers - static dissipative coating, polyester, metal and polyethylene laminate. The polyester dielectric in concert with the metal layer provides discharge shielding. The exterior is static dissipative and allows electrostatic charges to be removed when grounded. Film is qualified to MIL-PRF-81705E Type III, Class 2.

Standard stock 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 II CLASS H STYLE 2
STATIC SHIELD BAG, 81705 SERIES
LOT NO.

Note: Default color is red. 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-117H, 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	4600 PSI, 32 MPa	ASTM D882
Puncture Resistance	12 lbs, 53 N	MIL-STD-3010 Method 2065
Seam Strength	Pass	MIL-STD-3010 Method 2024
Thickness	2.8 mils, 0.071 mm +/-10%	MIL-STD-3010 Method 1003
Marking Abrasion Resistance	Pass	MIL-PRF-81705E Method 4.6.6
Contact Corrosivity	Pass	MIL-STD-3010 Method 3005*
Transparency	40%	MIL-STD-3010 Method 4034

Electrical	Typical Value	Testing Method
EMI Attenuation	≥ 10 db	MIL-PRF-81705E Method 4.6.7
ESD Shielding	≤ 10 nJ	MIL-PRF-81705E Method 4.6.9
Surface Resistivity - Interior	≥ 1 x 10 ⁵ to < 1 x 10 ¹² ohms/sq	MIL-PRF-81705E Method 4.6.8
Surface Resistivity - Exterior	< 1 x 10 ¹² ohms/sq	MIL-PRF-81705E Method 4.6.8
Static Decay	≤ 2 seconds	MIL-STD-3010 Method 4046

Heat Sealing Conditions	Typical Value
Temperature	360°F, 182°C
Time	2 seconds
Pressure	60 PSI, 414 KPa

*Passes on all surfaces noted in MIL-PRF-81705E Special Requirement 6/

Bag is free of silicones and heavy metals.

Specifications and procedures subject to change without notice.



Made in the United States of America



STATIC SHIELD BAG, 81705 SERIES

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DRAWING NUMBER
 81705 Bags

DATE
 September 2021

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[SCS:](#)

[817Z3023](#) [817Z2929](#) [817Z2418](#) [817Z1215](#)