



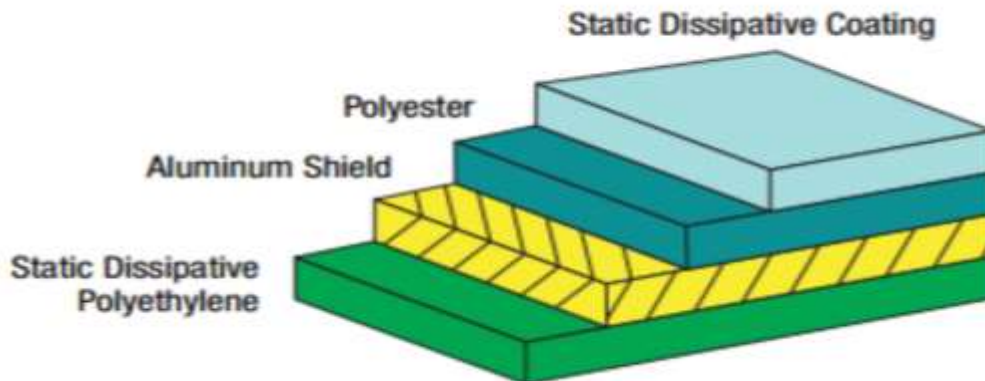
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## PRODUCT INFORMATION BULLETIN **MIL-PRF-81705 Type III Class II**

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



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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 <sup>5</sup> to < 1 x 10 <sup>12</sup> ohms/sq	MIL-PRF-81705E Method 4.6.8
Surface Resistivity - Exterior	< 1 x 10 <sup>12</sup> 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/

Film is free of silicones and heavy metals.

**RoHS 2, REACH, and Conflict Minerals Statement**

None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2016/06/20, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE.



Made in the United States of America

Specifications and procedures subject to change without notice.

*Disclaimer:* The data presented refers to typical values only and should serve only as a guide and does not encompass normal variability, or constitute any warranty. We urge purchasers to conduct tests for suitability in their specific end use.

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