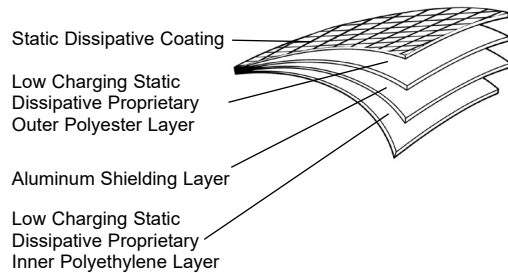
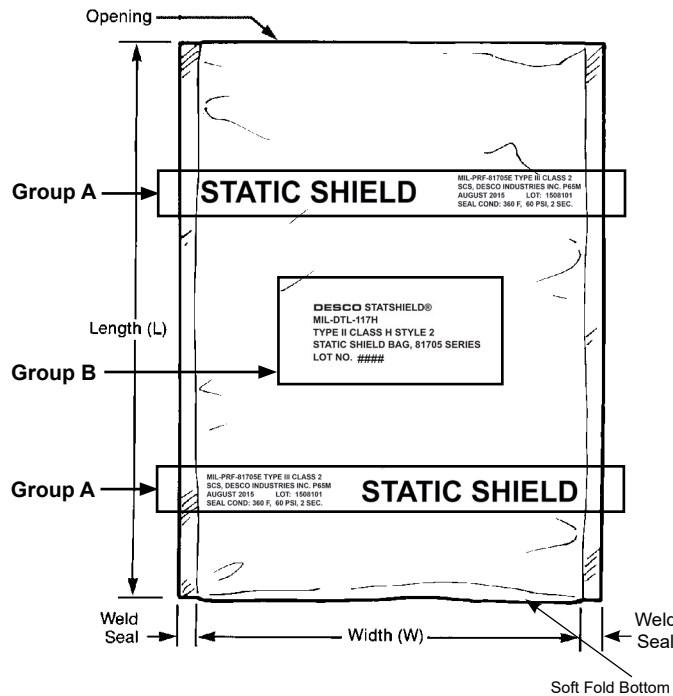


# STATSHIELD® 81705 SERIES



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

**RoHS, REACH, and Conflict Minerals Statement**  
 See the Desco Industries RoHS, REACH, and Conflict Minerals Statement:  
[https://desco.descoindustries.com/pdf/Regulatory\\_Statements\\_Desco\\_Statshield\\_Bags.pdf](https://desco.descoindustries.com/pdf/Regulatory_Statements_Desco_Statshield_Bags.pdf)  
 See the Desco Limited Warranty:  
<http://desco.descoindustries.com/Limited-Warranty.aspx>

## Specifications:

**Standard Document**  
 MIL-PRF-81705E  
 MIL-DTL-117H

## Electrical Properties

Surface Resistance:  
 Outer Surface  
 Inner Surface  
 Discharge Shielding  
 EMI Attenuation  
 Static Decay

## Typical Values

< 1 x 10<sup>12</sup> ohms/sq  
 ≥ 1 x 10<sup>5</sup> to < 1 x 10<sup>12</sup> ohms/sq  
 ≤ 10 nJ  
 ≥ 10 db  
 ≤ 2 seconds

## Physical Properties

Film Thickness  
 Tensile Strength  
 Puncture Resistance  
 Non-corrosive  
 Marking Abrasion Resistance  
 Transparency

2.8 mils, 0.071 mm ± 10%  
 4600 PSI, 32 MPa  
 12 lbs, 53 N  
 Pass  
 Pass  
 40%

## Heat Sealing Conditions

Temperature  
 Time  
 Pressure

360°F, 182°C  
 2 seconds  
 60 PSI, 414 KPa

**Meets Requirements of:**  
 Type III, Class 2  
 Type II, Class H, Style 2

## Test Procedures/Method

MIL-PRF-81705E, 4.6.8  
 MIL-PRF-81705E, 4.6.8  
 MIL-PRF-81705E, 4.6.9  
 MIL-PRF-81705E, 4.6.7  
 MIL-STD-3010, 4046  
 MIL-STD-3010, 1003  
 ASTM D882  
 MIL-STD-3010, 2065  
 MIL-STD-3010, M3005\*  
 MIL-PRF-81705E, 4.6.6  
 MIL-STD-3010, 4034

## Markings:

### Group A

Material identification printed between polyester and aluminum shielding layer. Specification number, type, class, manufacturer's name, manufacturer's designation, month and year of manufacture, lot number and heat sealing conditions (temperature, pressure and dwell time). Not shown to scale. Color: black. Appears every 6 inches along length of the material. Meets marking requirements of MIL-PRF-81705E: 3.6

### Group B

Identification hot stamped or thermally printed on surface layer. Specification number, revision letter, type, class, manufacturer's name, manufacturer's designation, and lot number. Not shown to scale. Color: yellow. Meets marking requirements of MIL-DTL-117H: 3.5 for converted bags.

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

\*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

# DESCO

## STATSHIELD® 81705 SERIES

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**DRAWING NUMBER**  
 12910

**DATE**  
 September  
 2021