

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



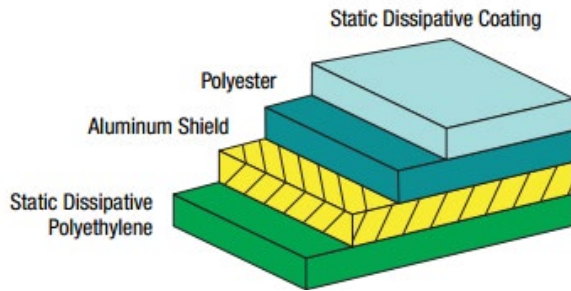
SCS Static Shield Bag 81705 Series are manufactured from four layers - static dissipative coating, polyester, metal and polyethylene laminate. The polyester dielectric in concert with the metal layer provides discharge shielding. The exterior is static dissipative and allows electrostatic charges to 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.*

If your packaging needs do not include meeting MIL-DTL-117H, bags can be converted from qualified film per your packaging requirements.



**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. See SCS [Warranty, Limitation of Liability and Remedies](#).

| 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/*

Bag is free of silicones and heavy metals.



Made in the United States of America

Specifications and procedures subject to change without notice.

|  |  |                                     |                              |
|--|--|-------------------------------------|------------------------------|
| <b>STATIC SHIELD BAG, 81705 SERIES</b>   |  | <b>DRAWING NUMBER</b><br>81705 Bags | <b>DATE</b><br>November 2016 |
| 926 JR Industrial Drive, Sanford, NC 27332<br>WEB SITE: <a href="http://StaticControl.com">StaticControl.com</a><br>PHONE (919) 718-0000 |  |                                     |                              |

