

# SCS STATIC SHIELDING BAG SELECTION GUIDE

Product Details	Metal-In Static Shielding <u>1000 Series</u>	Metal-In Static Shielding <u>1300 Series</u>	*Metal-In Static Shielding <u>81705 Series</u>	Metal-Out Static Shielding <u>1500 Series</u>	Metal-Out Cushioned Static Shielding <u>2300R Series</u>
<b>Surface Resistance: Exterior</b> (per ANSI/ESD STM11.11)	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	< 1 x 10 <sup>12</sup> ohms/sq	1 x 10 <sup>4</sup> to < 1 x 10 <sup>6</sup> ohms	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms
<b>Surface Resistance: Interior</b> (per ANSI/ESD STM11.11)	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	≥ 1 x 10 <sup>5</sup> to < 1 x 10 <sup>12</sup> ohms/sq	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms
<b>ANSI/ESD S11.4 Level</b>	Level 3	Level 3	-	Level 3	Level 3 (except Transparency)
<b>Discharge Shielding Energy Test</b> (per ANSI/ESD STM11.31)	<10nJ	<20nJ	≤10nJ	<10nJ	<20nJ
<b>Thickness:</b> Typical Value Nominal: ±10% (per MIL-STD-3010C 1003)	0.0028" (0.071mm)	0.0032" (0.0813mm)	0.0028" (0.071mm)	0.0030" (0.0762mm)	0.150" (3.8mm)
<b>Puncture Resistance - Average</b> (per MIL-STD 3010C 2065)	12 lbs	22 lbs	12 lbs	10 lbs	20 lbs
<b>Marking Abrasion Resistance</b> (per MIL-PRF-81705E Method 4.6.6)	-	-	Pass	-	-
<b>Seal Strength</b> (per ASTM D882)	11 lbs, 48 N	15 lbs, 66 N	Pass	14 lbs, 62 N	7 lbs, 31 N
<b>Tensile Strength</b> (per ASTM D882)	4600 PSI, 32 MPa	8100 PSI, 55 MPa	4600 PSI, 32 MPa	4900 PSI, 34 MPa	8100 PSI, 55 MPa
<b>Non- corrosive</b> (per FTMS 101C/4046)	Pass	Pass	Pass	Pass	Pass
<b>Silicone</b> (ASTM E168)	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

**Standards:** Meets the requirements of ANSI/ESD S20.20, Packaging Standard, ANSI/ESD S541, and Static Control Bag ANSI/ESD S11.4 level as noted in table above.

\*Metal-In Static Shielding 81705 Series is qualified to MIL-PRF-81705E Type III, Class 2 and bags meet MIL-DTL-117H, TYPE II, CLASS H, STYLE 2. Values meet all prescribed tests per required test methods in MIL-PRF-81705E.

See Static Control Bag Storage at [TB-9011](#).



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