



STATIC SHIELDING BAG SELECTION CHART

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>
Surface Resistance: Exterior (per ANSI/ESD STM11.11)	1×10^4 to $< 1 \times 10^{11}$ ohms	1×10^4 to $< 1 \times 10^{11}$ ohms	$< 1 \times 10^{12}$ ohms/sq	1×10^4 to $< 1 \times 10^6$ ohms	1×10^4 to $< 1 \times 10^{11}$ ohms
Surface Resistance: Interior (per ANSI/ESD STM11.11)	1×10^4 to $< 1 \times 10^{11}$ ohms	1×10^4 to $< 1 \times 10^{11}$ ohms	$\geq 1 \times 10^5$ to $< 1 \times 10^{12}$ ohms/sq	1×10^4 to $< 1 \times 10^{11}$ ohms	1×10^4 to $< 1 \times 10^{11}$ ohms
ANSI/ESD S11.4 Level	Level 3	Level 3	-	Level 3	Level 3 (except Transparency)
Discharge Shielding Energy Test (per ANSI/ESD STM11.31)	<10nJ	<20nJ	≤ 10 nJ	<10nJ	<20nJ
Thickness: Typical Value Nominal: $\pm 10\%$ (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)
Puncture Resistance - Average (per MIL-STD 3010C 2065)	12 lbs	22 lbs	12 lbs	10 lbs	20 lbs
Marking Abrasion Resistance (per MIL-PRF-81705E Method 4.6.6)	-	-	Pass	-	-
Seal Strength (per ASTM D882)	11 lbs, 48 N	15 lbs, 66 N	Pass	14 lbs, 62 N	7 lbs, 31 N
Tensile Strength (per ASTM D882)	4600 PSI, 32 MPa	8100 PSI, 55 MPa	4600 PSI, 32 MPa	4900 PSI, 34 MPa	8100 PSI, 55 MPa
Non- corrosive (per FTMS 101C/4046)	Pass	Pass	Pass	Pass	Pass
Silicone (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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