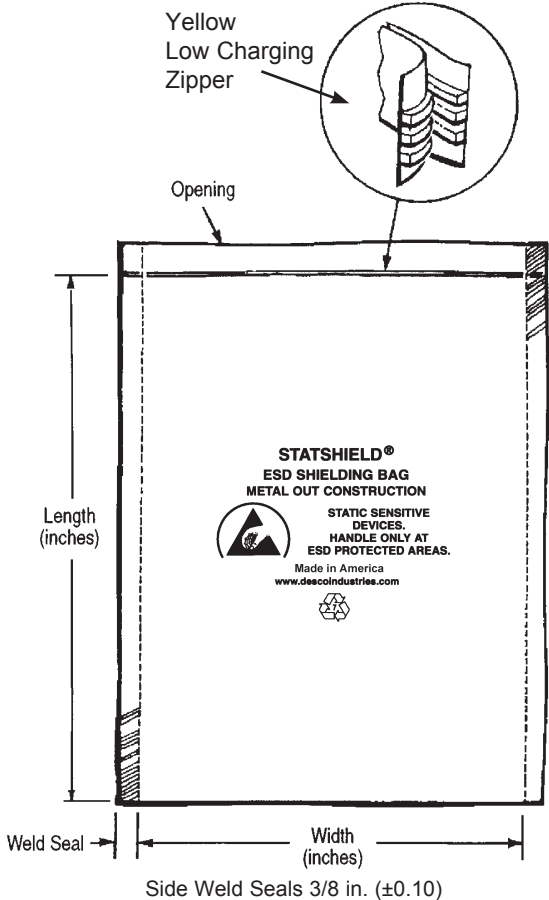


# STATSHIELD® METAL-OUT SERIES



**Specifications:**

**Electrical Properties**

Surface Resistance:  
 Outer Surface <10E8 ohms  
 Aluminum Layer <10E2 ohms  
 Inner Surface <10E11 ohms  
 Static Shielding <25 nJ  
 Charge Generation (nC/in<sup>2</sup>) Teflon: -0.03  
 Quartz: +0.10  
 Capacitance Probe (to dissipate 1 KV) <30 volts

**Typical Values**

<10E8 ohms  
 <10E2 ohms  
 <10E11 ohms  
 <25 nJ  
 Teflon: -0.03  
 Quartz: +0.10  
 <30 volts

**Test Procedures/Method**

ANSI/ESD S11.11  
 ANSI/ESD S11.11  
 ANSI/ESD S11.11  
 ANSI/ESD S11.31, MIL-PRF-81705D, EIA 541  
 Modified Incline Plane  
 Modified Incline Plane  
 ANSI/EIA-541/Appendix E, 1 kV Discharge

**Physical Properties:**

Bag Thickness:  
 Thickness Nominal .0030" (.0762mm) ±10%  
 Width (Inside Dimensions) Nominal -0" / + .125"  
 Length (Inside Dimensions) Nominal ± .125"  
 Light Transmission 40% (Tobias)  
 Seam Strength Pass  
 Tear Strength >25 lbs  
 Puncture Resistance >10 lbs  
 MVTR 0.40  
 Burst Strength >50 psi  
 Heat Seal >10 lbs/in.  
 Abrasion Resistance >30 cycles  
 Outgassing Pass  
 Non-corrosive Pass


ASTM D-2103  
 ASTM D-1003  
 MIL-PRF-81705D  
 ASTM D-1004  
 ASTM D-2065  
 ASTM F-1249  
 FTMS 101C, 2065.1  
 375°F, 1/2 sec 60 psi  
 Sutherland Abr. (.0000 Steel Wool)  
 ASTM E595  
 MIL-STD-3010, M3005

**Chemical Properties**

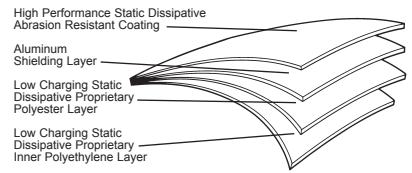
Corrosion No effect on aluminum, copper, silver, Sn-Pb coated foil, stainless steel, low carbon steel  
 Polycarbonate compatible: Contains no Amines, Amides, or N-Octanoic Acid.

Statshield® bags are packaged 100 per package in an oversized shielding bag rather than a cardboard box. Therefore, our bags are not exposed to water vapors that will degrade the metallized shielding layer. Our bags have an additional layer of barrier protection because of our packaging.

**RoHS Compliance Statement**  
 None of the following materials are intentionally added in manufacturing this product: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) as outlined in the Directive 2002/95/EC Article 4.1. See Desco Industries Inc. letter on-line at [Desco.com](http://Desco.com).



**Mixed Unsortable Plastic Scrap**  
 Mixed unsortable plastic scrap shall contain assorted plastics of multiple grades that are co-extruded, bonded or laminated together which are unsortable into individual grades.  
**Desco's bags are recyclable**



See Bag Selection Chart and other useful packaging information at [Desco.com](http://Desco.com)

The bag's material meets the performance specification requirements of Mil-PRF-81705D, Type III. Bag is free of amines, amides, N-octanoic acid, and heavy metals.

Statshield®, Staffree®, and Faraday® are Registered Trademarks of Desco Industries Inc.



Made in America

**STATSHIELD® BAG, SHIELDING, METAL-OUT CONSTRUCTION, ZIPPER, .0030" (.0762mm)**

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**DRAWING NUMBER**  
 13205

**DATE:**  
 June 2009