



Side Weld Seals 3/8 in. (±0.10)

ANSI/ESD S541 Section 6.2 Outside an EPA  
 "Transportation of sensitive products outside of an EPA shall require packaging that provides:

1. Low charge generation
2. Dissipative or conductive materials for intimate contact
3. A structure that provides electrostatic discharge shielding."



**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.  
**ESD Systems bags are recyclable**

**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 [ESDSystems.com](http://ESDSystems.com).

**STATSHIELD® METAL-IN SERIES**



**Specifications:**

**Electrical Properties**

Surface Resistance:

- Outer Surface
- Aluminum Layer
- Inner Surface

Static Shielding

Charge Generation

Capacitance Probe (to dissipate 1 KV)

**Typical Values**

- <10E11 ohms
- <10E2 ohms
- <10E11 ohms
- <25 nJ
- Teflon: 0.09 nC/sq. in.
- Quartz: 0.01 nC/sq. in.
- <30 volts

**Test Procedures/Method**

- ANSI/ESD STM11.11
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- ANSI/ESD STM11.31, MILF-PRF-81705D, EIA 541
- Modified Incline Plane
- Modified Incline Plane
- ANSI/EIA-541/Appendix E, 1KV Discharge

**Physical Properties**

Bag Thickness:

- Thickness
- Width (Inside Dimensions)
- Length (Inside Dimensions)
- Light Transmission

- Burst Strength
- Heat Seal
- Seam Strength
- Tear Strength

- Puncture Resistance
- MVTR
- OTR

- Abrasion Resistance
- Outgassing
- Non-corrosive

- Nominal .0030" (.0762mm) ±10%
- Nominal -0" / + .125"
- Nominal ± .125"
- >40% (Tobias)
- >50 psi
- >10 lbs/in
- Pass
- >25 lbs
- >10 lbs
- <0.40
- <6.1
- >100 cycles
- Pass
- Pass

- ASTM D-2103
- ASTM D-1003
- FTMS 101K, Method 2065.1
- 375°F, 1/2 sec 60 psi
- MIL-PRF-81705D
- ASTM D-1004
- ASTM D-2065
- FTMS 101C/2065
- ASTM D-1434
- 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.

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.



Made in America

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

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.

- Low Charging Static Dissipative Proprietary Outer Polyester Layer
- Aluminum Shielding Layer
- Low Charging Static Dissipative Proprietary Inner Polyethylene Layer



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

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

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 30015

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