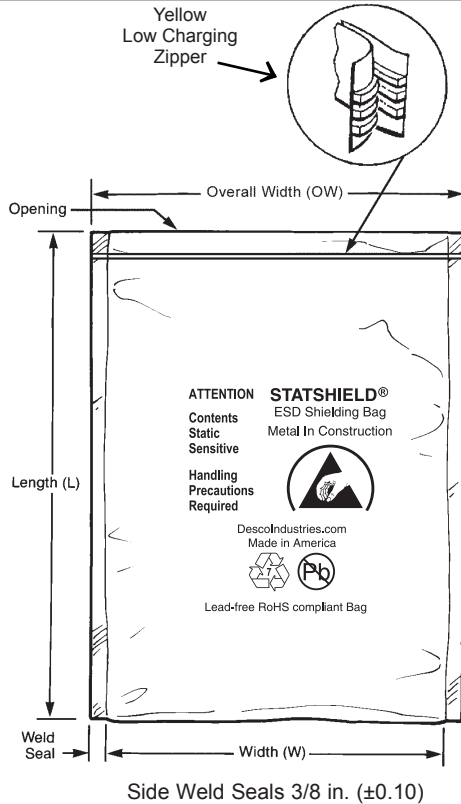


# STATSHIELD® METAL-IN SERIES



## Specifications:

### Electrical Properties

Surface Resistance:  
Outer Surface  
Aluminum Layer  
Inner Surface  
Static Shielding  
Charge Generation

### 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  
ANSI/ESD STM11.11  
ANSI/ESD STM11.11  
ANSI/ESD STM11.31, MIL-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.

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



Made in America

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."

### 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).

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.

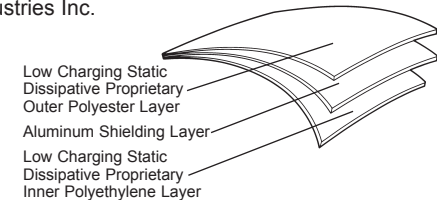


### Mixed Unsortable Plastic Scrap

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)



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

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DRAWING  
NUMBER  
13605

DATE:  
June  
2009