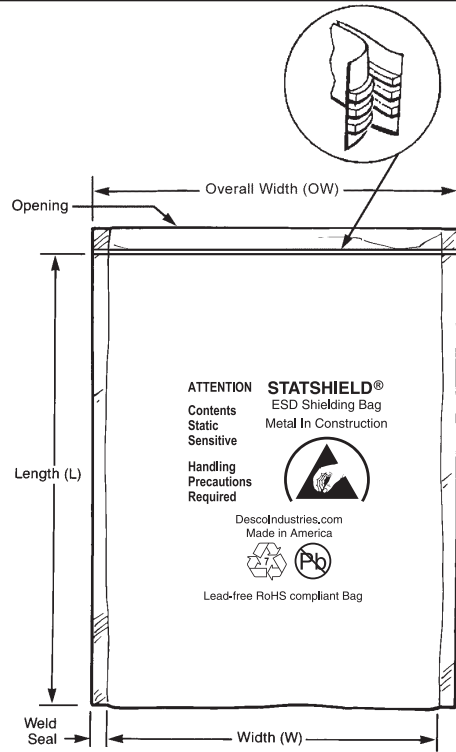


## STATSHIELD® M/I SERIES



Side Weld Seals 3/8 in.

### 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.

**Desco's bags are recyclable**

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.

### Specifications:

#### Electrical Properties

##### Surface Resistance:

Outer Surface	<10E11 ohms
Aluminum Layer	<10E2 ohms
Inner Surface	<10E11 ohms
Static Shielding	<25 nJ
Charge Generation	Teflon: 0.09 nC/sq. in. Quartz: 0.01 nC/sq. in.

Capacitance Probe (to dissipate 1 KV) <30 volts

#### Physical Properties

##### Bag Thickness:

Thickness	Nominal .0030" (.0762mm) ±10%
Width (Inside Dimensions)	Nominal -0" / + .125"
Length (Inside Dimensions)	Nominal ± .125"

##### Light Transmission

>40% (Tobias)

##### Burst Strength

>50 psi

##### Heat Seal

>10 lbs/in

##### Seam Strength

Pass

##### Tear Strength

>25 lbs

##### Puncture Resistance

>10 lbs

##### MVTR

<0.40

##### OTR

<6.1

##### Abrasion Resistance

>100 cycles

##### Outgassing

Pass

##### Non-corrosive

Pass

#### Chemical Properties

##### Corrosion

#### Typical Values

Outer Surface	<10E11 ohms
Aluminum Layer	<10E2 ohms
Inner Surface	<10E11 ohms
Static Shielding	<25 nJ
Charge Generation	Teflon: 0.09 nC/sq. in. Quartz: 0.01 nC/sq. in.
Capacitance Probe (to dissipate 1 KV)	<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

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.*

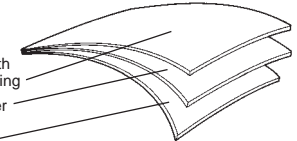
*Bag is free of amines, amides, N-octanoic acid, and heavy metals.*

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

#### 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).

Static Dissipative  
Outer Polyester Layer with  
proprietary antistatic coating  
Aluminum Shielding Layer  
Static Dissipative Inner  
Polyethylene Layer



Made in America

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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DESCO EAST: ONE COLGATE WAY, CANTON, MA 02021-1407  
PHONE (781) 821-8370 FAX (781) 575-0172

**DRAWING  
NUMBER**  
13605

**DATE:**  
February  
2009

# DESCO