



STATSHIELD® METAL-IN SERIES

Meets the required limits of ANSI/ESD S20.20, Packaging standard ANSI/ESD S541, and Static Control Bag standard ANSI/ESD S11.4-2012 Level 3.

Specifications:

Electrical Properties

Surface Resistance:

Outer Surface	< 1 x 10 ¹¹ ohms
Aluminum Layer	< 1 x 10 ² ohms
Inner Surface	≥ 1 x 10 ⁴ to < 1 x 10 ¹¹ ohms
Static Shielding	<20 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)
Heat Seal	>10 lbs/in
Tensile	9000 PSI
Puncture Resistance	>10 lbs
MVTR	<0.40
Outgassing	Pass
Non-corrosive	Pass

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.

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

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 2 and REACH Statement

None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2012/12/19 are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See Desco [Limited Warranty at Desco.com](#).

Statshield® and Statfree® are Registered Trademarks of Desco Industries Inc. See Bag Selection Chart Click [HERE](#).

*Made in the United States of America

Specifications and procedures subject to change without notice.

*Film made in USA or Malaysia

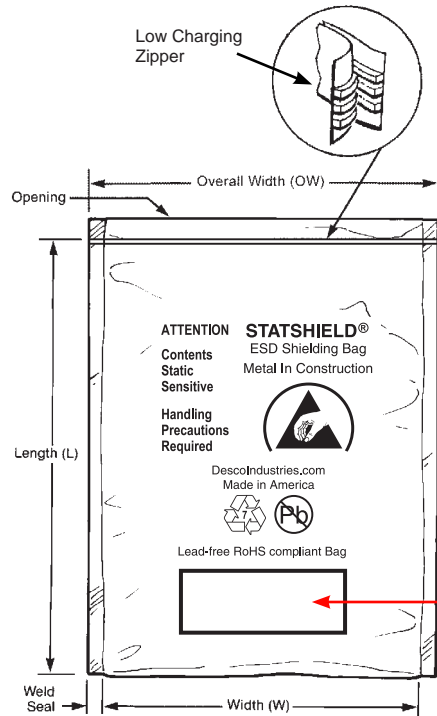
STATSHIELD® BAG, SHIELDING, METAL-IN CONSTRUCTION, ZIPPER, .0030" (.0762mm)

DESCO WEST: 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: [Desco.com](#)
PHONE (909) 627-8178

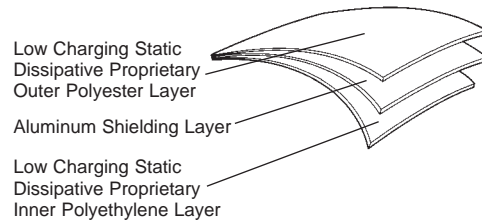
DESCO EAST: ONE COLGATE WAY, CANTON, MA 02021-1407
PHONE (781) 821-8370

**DRAWING
NUMBER**
13605

DATE:
October
2013



Side Weld Seals 3/8 in. (±0.10)



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. See Shielding Bag Storage at [TB-7057](#).

DESCO