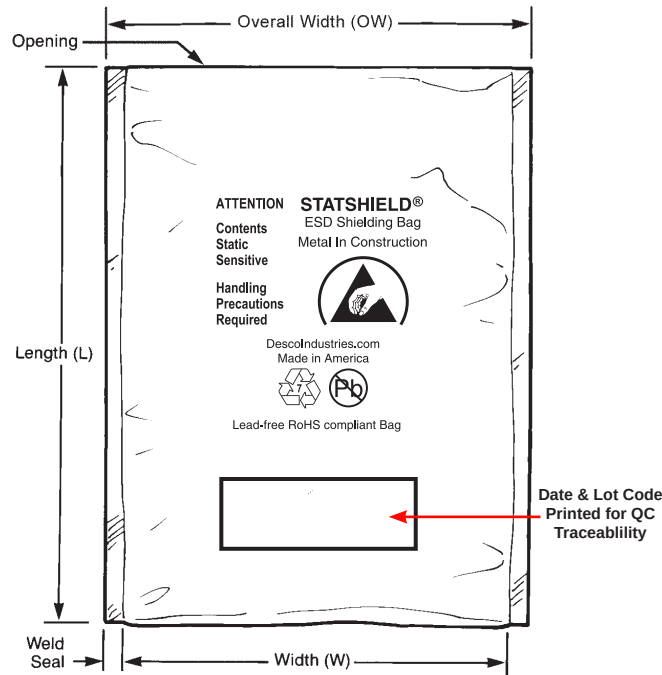


STATSHIELD® METAL-IN BOXED SERIES

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.



Side Weld Seals 3/8 in. (±0.10)

Low Charging Static
Dissipative Proprietary
Outer Polyester Layer

Aluminum Shielding Layer

Low Charging Static
Dissipative Proprietary
Inner Polyethylene Layer



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](#).

Specifications:

Electrical Properties

Surface Resistance:

Outer Surface

Inner Surface

Discharge Shielding

Charge Generation

Capacitance Probe (to dissipate 1 kV)

Typical Values

1×10^4 to $< 1 \times 10^{11}$ ohms

1×10^4 to $< 1 \times 10^{11}$ ohms

< 20 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 STM11.31, 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

Heat Seal

Tensile

Puncture Resistance

MVTR

Non-corrosive

Nominal 0.0030" (0.0762mm) $\pm 10\%$ MIL-STD-3010, 1003

Nominal -0" / + 0.125"

Nominal ± 0.125 "

$> 40\%$ (Tobias)

> 10 lbs/in

9000 PSI

> 10 lbs

< 0.40

Pass

MIL-STD-3010, 1003

ASTM D-1003

375°F, 1/2 sec 60 psi

ASTM D882

MIL-STD-3010, 2065

FTMS 101C/2065

MIL-STD-3010, M3005

Chemical Properties

Corrosion

No effect on aluminum, copper, silver, Sn-Pb coated foil, stainless steel, low carbon steel

Yes

Polycarbonate Capability,

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 Compliance Statement

None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2013/06/20 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](#).



*Made in the
United States of America

The bag's material meets the required limits of ANSI/ESD S541 per ANSI/ESD S20.20.

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

Specifications and procedures subject to change without notice.

*Film made in USA or Malaysia

STATSHIELD® METAL-IN BOXED, 0.0030" (0.0762mm)

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PHONE (909) 627-8178

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

**DRAWING
NUMBER**
13330

DATE:
April
2014

DESCO