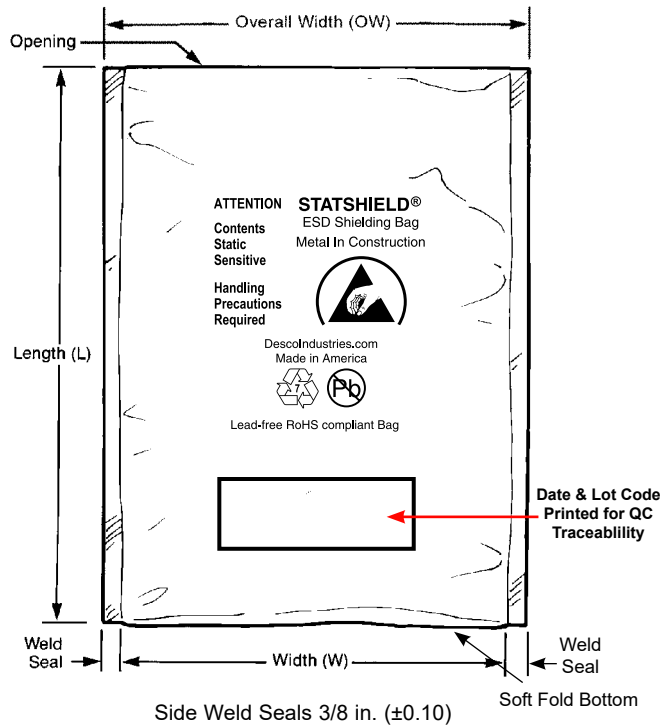


# STATSHIELD® METAL-IN BOXED SERIES



## Specifications:

**Standard Document**  
ANSI/ESD S541 (ANSI/ESD S20.20)  
ANSI/ESD S11.4

## Electrical Properties

Surface Resistance:  
Outer Surface  
Inner Surface  
Discharge Shielding  
Charge Generation  
  
Capacitance Probe (to dissipate 1 KV)

## Typical Values

$1 \times 10^4$  to  $< 1 \times 10^{11}$  ohms  
 $1 \times 10^4$  to  $< 1 \times 10^{11}$  ohms  
<20 nJ  
Teflon: 0.09 nC/sq. in.  
Quartz: 0.01 nC/sq. in.  
<30 volts

## Physical Properties

Film Thickness  
Width (Inside Dimensions)  
Length (Inside Dimensions)  
Light Transmission  
Heat Seal  
Tensile Strength  
Puncture Resistance  
Non-corrosive  
Silicone  
Marking Adhesion

Nominal 0.0030" (0.0762mm)  $\pm 10\%$   
Nominal -0" / + 0.125"  
Nominal  $\pm 0.125$ "  
>40% (Tobias)  
>10 lbs/in  
4600 PSI, 32 MPa  
>10 lbs  
Pass  
Not detected  
Pass

## Meets Requirements of:

ESD Protective Packaging  
Level 3 Technical Requirements

## 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

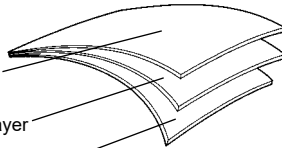
MIL-STD-3010, 1003

ASTM D-1003  
375°F, 1/2 sec 60 psi  
ASTM 882  
MIL-STD-3010, 2065  
MIL-STD-3010, M3005  
FTIR  
IPC-TM-650 2.4.1

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](#).

## 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, REACH and Conflict Minerals Statement

None of the RoHS 2 restricted materials, REACH substances of very high concern as of 2016/06/20, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See Desco Industries Inc. [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.

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

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

**DRAWING  
NUMBER**  
13330

**DATE:**  
August  
2016

# DESCO