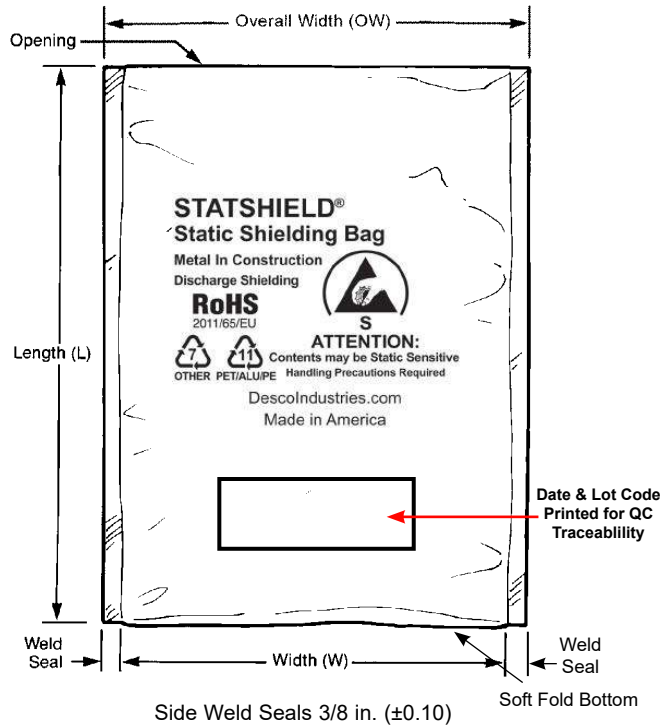


# STATSHIELD® METAL-IN BOXED SERIES



## 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) ±10%  
Nominal -0" / + 0.125"  
Nominal ± 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

## 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, REACH and Conflict Minerals Statement

See the Desco Industries RoHS, REACH, and Conflict Minerals Statement:  
[Desco.com/pdf/REACHRoHSConflictMinerals-Desco\\_Bags.pdf](https://www.desco.com/pdf/REACHRoHSConflictMinerals-Desco_Bags.pdf)

See the Desco Limited Warranty:  
[Desco.DescoIndustries.com/Limited-Warranty.aspx](https://www.DescoIndustries.com/Limited-Warranty.aspx)

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](#).

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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**DRAWING  
NUMBER**  
13330

**DATE:**  
April  
2018

# DESCO