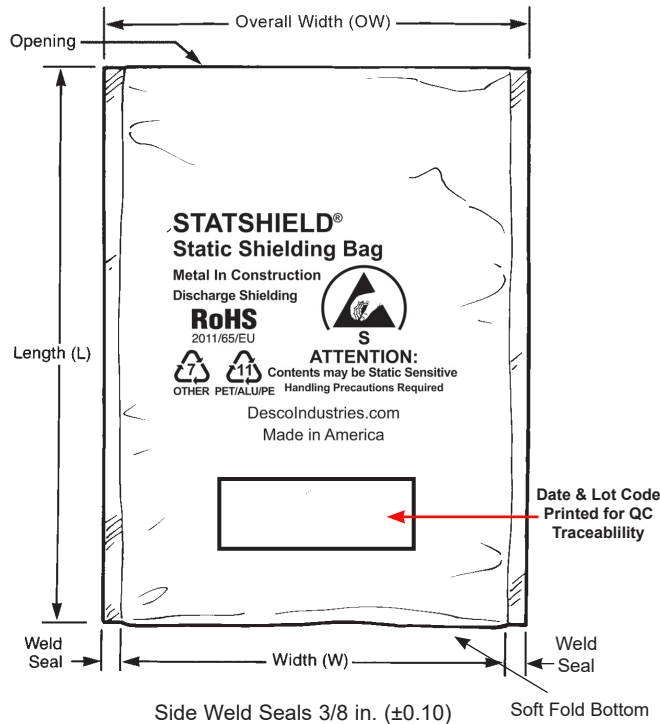


# STATSHIELD® METAL-IN SERIES



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:

### 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 3.0 mil (0.07mm)  $\pm 10\%$

Nominal -0" / + 0.250"

Nominal  $\pm 0.125$ "; Offset 0 to 1/4"

>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 D882

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 [RoHS, REACH, and Conflict Minerals Statement](#) at Desco.com.

## Limited Warranty

See Desco's [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® BAG, SHIELDING, METAL-IN, 3.0 MIL (0.07mm)

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**DRAWING  
NUMBER**  
13405

**DATE:**  
June  
2019

# DESCO