

# STATSHIELD® METAL-IN SERIES



## STATSHIELD® Static Shielding Bag

Metal In Construction  
Discharge Shielding

**RoHS**  
2011/65/EU

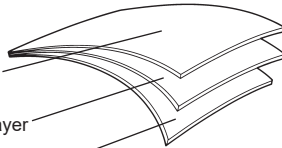


**ATTENTION:**  
Contents may be Static Sensitive  
OTHER PETALUPE Handling Precautions Required

DescoIndustries.com  
Made in America



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)

### Physical Properties

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

### 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

Nominal 3.0 mil (0.07mm) ±10%  
Nominal -0" / + 0.250"  
Nominal ± 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