

# STATSHIELD® METAL-IN SERIES



**STATSHIELD®**  
Static Shielding Bag

Metal In Construction  
Discharge Shielding

**RoHS**  
2011/65/EU

OTHER PETALUPE



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

DescoIndustries.com  
Made in America

**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."

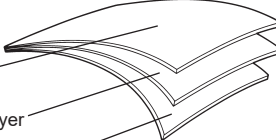
**RoHS, REACH, and Conflict Minerals Statement:**  
See [RoHS, REACH, and Conflict Minerals Statement](#) at Desco.com.

**Limited Warranty**  
See Desco's [Limited Warranty](#) at Desco.com

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® BAG, SHIELDING, METAL-IN, 3.0 MIL (0.07mm)**



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**DRAWING NUMBER**  
13405

**DATE:**  
June 2019