

# STATSHIELD® METAL-IN SERIES



**STATSHIELD®**  
Static Shielding Bag

Metal In Construction  
Discharge Shielding

**RoHS**  
2011/65/EU



**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 1 x 10<sup>4</sup> to < 1 x 10<sup>11</sup> ohms  
Inner Surface 1 x 10<sup>4</sup> to < 1 x 10<sup>11</sup> ohms  
Discharge Shielding <20 nJ  
Charge Generation Teflon: 0.09 nC/sq. in.  
Quartz: 0.01 nC/sq. in.  
Capacitance Probe (to dissipate 1 KV) <30 volts

**Typical Values**

**Physical Properties**

Film Thickness Nominal 3.0 mil (0.07mm) ±10%  
Width (Inside Dimensions) Nominal -0" / + 0.250"  
Length (Inside Dimensions) Nominal ± 0.125"; Offset 0 to 1/4"  
Light Transmission >40% (Tobias)  
Heat Seal >10 lbs/in  
Tensile Strength 4600 PSI, 32 MPa  
Puncture Resistance >10 lbs  
Non-corrosive Pass  
Silicone Not detected  
Marking Adhesion 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

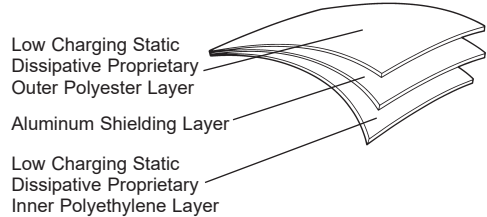
**ANSI/ESD S541 Section 6.2 Outside an EPA**

"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



**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)**



**DESCO WEST:** 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: [Desco.com](#)  
PHONE (909) 627-8178

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

**DRAWING NUMBER**  
13405

**DATE:**  
June 2019