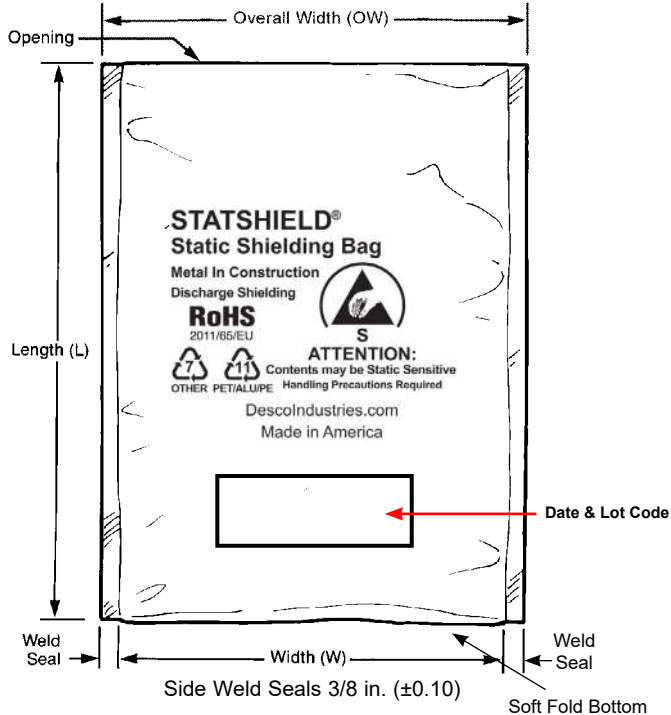


# STATSHIELD® METAL-IN SERIES



**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 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**

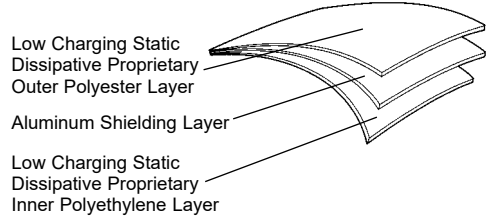
ANSI/ESD STM11.11  
ANSI/ESD STM11.11  
ANSI/ESD STM11.31, EIA 541  
Modified Incline Plane  
Modified Incline Plane  
ANSI/EIA-541/Appendix E, 1kV Discharge  
  
MIL-STD-3010, 1003  
  
ASTM D-1003  
375°F, 1/2 sec 60 psi  
ASTM D882  
MIL-STD-3010, 2065  
MIL-STD-3010, M3005  
FTIR  
IPC-TM-650 2.4.1

**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."

\*\* Bags are printed (hot stamped or thermal transferred) with an ESD protective symbol and a lot code for traceability. \*\*



**RoHS, REACH and Conflict Minerals Statement**  
See the Desco Industries RoHS, REACH, and Conflict Minerals Statement:  
[https://desco.descoindustries.com/pdf/Regulatory\\_Statements\\_Desco\\_Statshield\\_Bags.pdf](https://desco.descoindustries.com/pdf/Regulatory_Statements_Desco_Statshield_Bags.pdf)  
  
See the Desco Limited Warranty:  
[Desco.DescoIndustries.com/Limited-Warranty.aspx](https://descoindustries.com/Limited-Warranty.aspx)

**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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