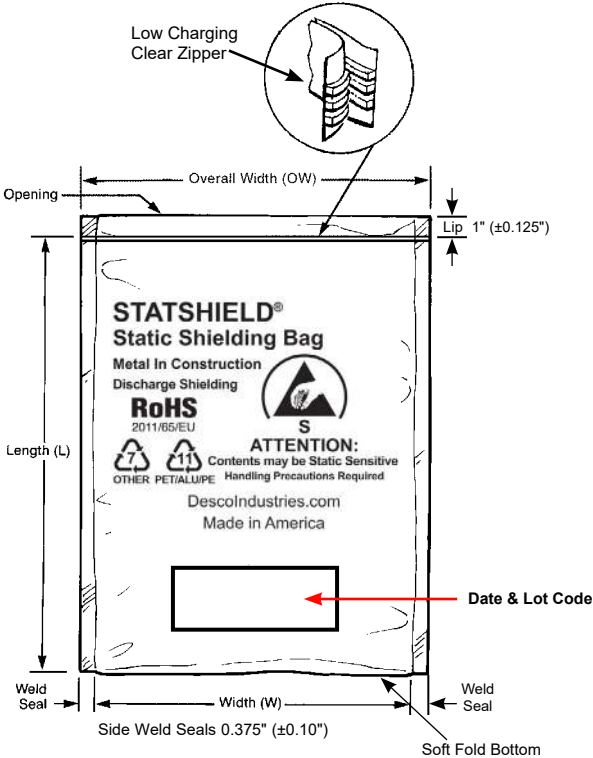
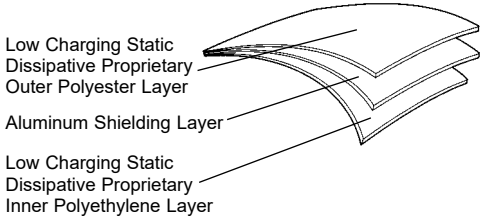


# STATSHIELD® METAL-IN SERIES



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



**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  
**Descos bags are recyclable**

### 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  
 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  
 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 882  
 MIL-STD-3010, 2065  
 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 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://desco.descoindustries.com/Limited-Warranty.aspx)

Statshield® and Statfree® are Registered Trademarks of Desco Industries Inc.  
 See Bag Selection Chart Click [HERE](#)

Specifications and procedures subject to change without notice.



Made in the United States of America

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



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