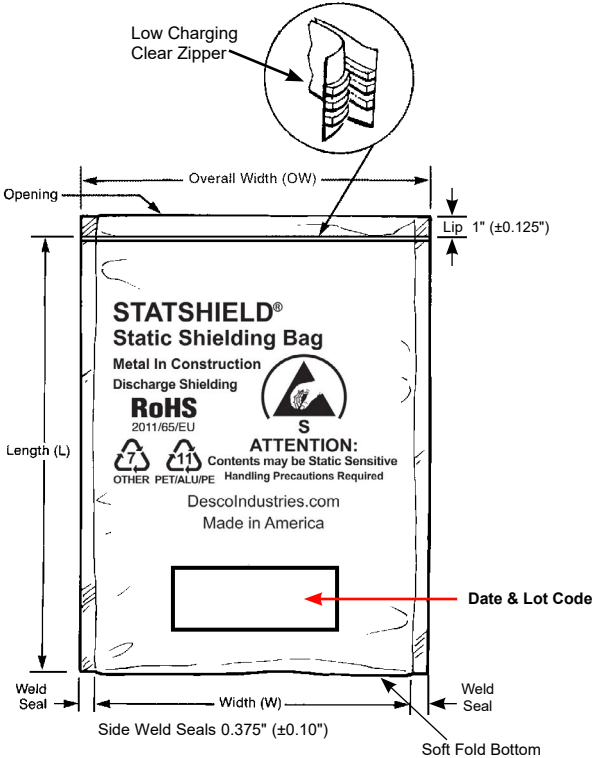
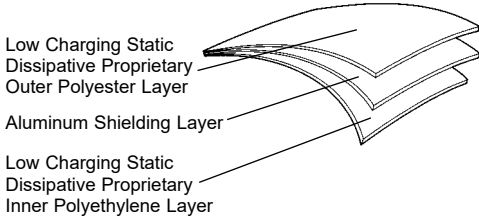


# STATSHIELD® METAL-IN SERIES



\*\* 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  
**Desco's 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

### Typical Values

1 x 10<sup>4</sup> to < 1 x 10<sup>11</sup> ohms  
 1 x 10<sup>4</sup> to < 1 x 10<sup>11</sup> 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) ±10%  
 Nominal -0" / + 0.250"  
 Nominal ± 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.Industries.com/Limited-Warranty.aspx](https://descoindustries.com/Limited-Warranty.aspx)

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 CONSTRUCTION, ZIPPER, 3.0 MIL (0.07mm)



**DESCO WEST:** 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: [Desco.com](https://desco.com)  
 PHONE (909) 627-8178  
**DESCO EAST:** ONE COLGATE WAY, CANTON, MA 02021-1407  
 PHONE (781) 821-8370

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