

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

Typical Values

1×10^4 to $< 1 \times 10^{11}$ ohms
 1×10^4 to $< 1 \times 10^{11}$ ohms
<20 nJ
Teflon: 0.09 nC/sq. in.
Quartz: 0.01 nC/sq. in.
<30 volts

Capacitance Probe (to dissipate 1 KV)

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 ± 0.125 ", Offset 0 to 1/4"
>40% (Tobias)
>10 lbs/in
4600 PSI, 32 MPa
>10 lbs
Not detected
Pass

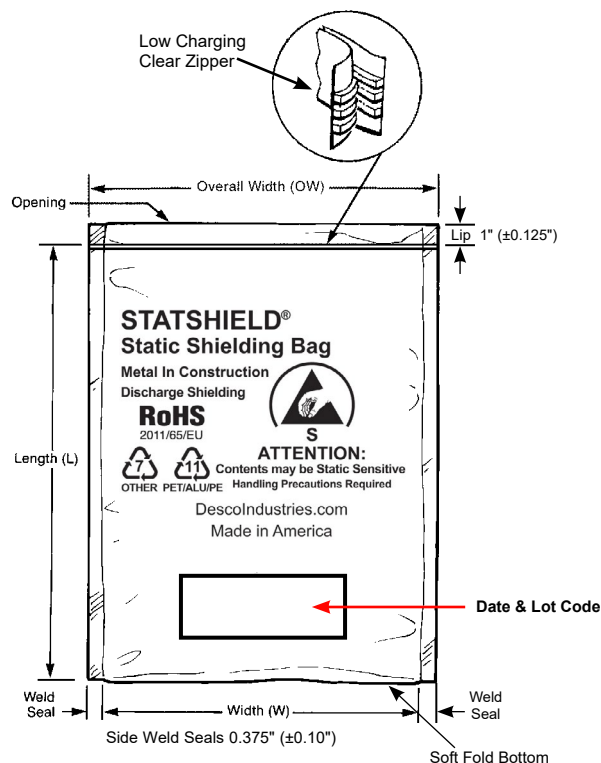
Meets Requirements of:
ESD Protective Packaging
Level 3 Technical Requirements

Test Procedures/Method

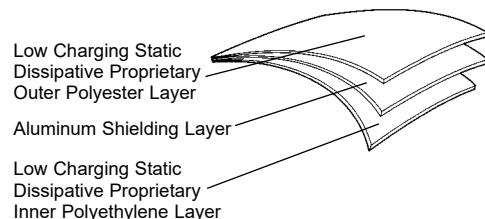
ANSI/ESD STM11.11
ANSI/ESD STM11.11
ANSI/ESD STM11.31, EIA 541
Modified Incline Plane
Modified Incline Plane
ANSI/EIA-541/Appendix E, 1kV Discharge

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



** 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

Statshield® bags are packaged 100 per package in an oversized shielding bag.
See Shielding Bag Storage at [TB-7057](#).

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

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)

DESCO

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

**DRAWING
NUMBER**
13605

DATE:
September
2021