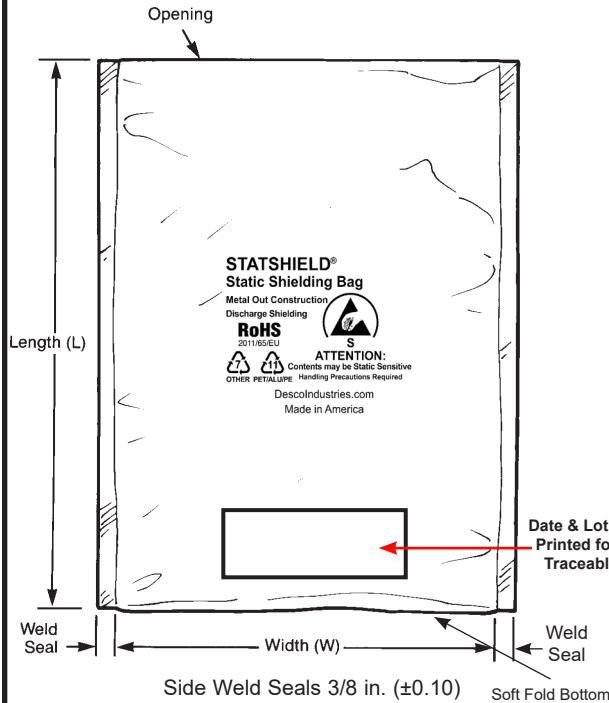


STATSHIELD® METAL-OUT SERIES



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 x 10⁴ to < 1 x 10⁸ ohms
1 x 10⁴ to < 1 x 10¹¹ ohms
<20 nJ
Teflon: -0.03 nC/sq. in.
Quartz: +0.10 nC/sq. in.
<30 volts

Capacitance Probe (to dissipate 1 KV)

Physical Properties:

Film Thickness
Width (Inside Dimensions)
Length (Inside Dimensions)
Light Transmission
Puncture Resistance
Heat Seal
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
>10 lbs/in.
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
MIL-STD-3010, 2065
375°F, 1/2 sec 60 psi
MIL-STD-3010, M3005
FTIR
IPC-TM-650 2.4.1

High Performance Static
Dissipative Abrasion
Resistant Coating

Aluminum
Shielding Layer

Low Charging Static
Dissipative Proprietary
Polyester Layer

Low Charging Static
Dissipative Proprietary
Inner Polyethylene Layer

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-7507](#).

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:
[Desco.com/pdf/REACHRoHSConflictMinerals-Desco_Bags.pdf](https://desco.com/pdf/REACHRoHSConflictMinerals-Desco_Bags.pdf)

See the Desco Limited Warranty:
[Desco.DescoIndustries.com/Limited-Warranty.aspx](https://desco.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-OUT CONSTRUCTION, 3.0 MIL (0.07mm)

DESCO

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PHONE (781) 821-8370

**DRAWING
NUMBER**
13010

DATE:
June
2019