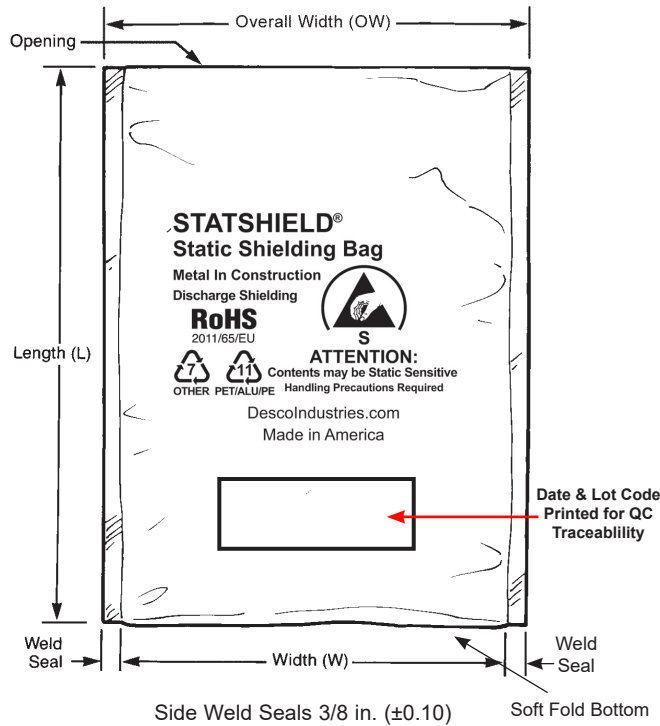


STATSHIELD® METAL-IN SERIES



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

1×10^4 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

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."

RoHS, REACH, and Conflict Minerals Statement:

See [RoHS, REACH, and Conflict Minerals Statement](#) at Desco.com.

Limited Warranty

See Desco's [Limited Warranty](#) at Desco.com

Low Charging Static
 Dissipative Proprietary
 Outer Polyester Layer

Aluminum Shielding 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-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)

DESCO WEST: 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: [Desco.com](#)
 PHONE (909) 627-8178

DESCO EAST: ONE COLGATE WAY, CANTON, MA 02021-1407
 PHONE (781) 821-8370

**DRAWING
 NUMBER**
 13405

DATE:
 June
 2019

DESCO