STATSHIELD® METAL-IN SERIES

Specifications:

Standard Document ANSI/ESD S541 (ANSI/ESD S20.20)

ANSI/ESD S541 (ANSI/ESD S20.20) ANSI/ESD S11.4

Electrical PropertiesSurface Resistance:

Typical Values

Outer Surface $1 \times 10^4 \text{ to} < 1 \times 10^{11} \text{ ohms}$ Inner Surface $1 \times 10^4 \text{ to} < 1 \times 10^{11} \text{ ohms}$ Discharge Shielding < 20 nJ

Charge Generation Teflon: 0.09 nC/sq. in.
Quartz: 0.01 nC/sq. in.

Capacitance Probe (to dissipate 1 KV) <30 volts

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

Physical Properties

Date & Lot Code

Weld

Soft Fold Bottom

Film Thickness Nominal 3.0 mil (0.07mm) ±10%

Width (Inside Dimensions)

Nominal -0" / + 0.250"

Length (Inside Dimensions)

Nominal ± 0.125": Offset 0 to 1/4"

Light Transmission >40% (Tobias)
Heat Seal >10 lbs/in
Tensile Strength 4600 PSI, 32 MPa

Puncture Resistance >10 lbs
Non-corrosive Pass
Silicone Not detected

Marking Adhesion Pass

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 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

Inner Polyethylene Layer Mixe Mixed unsorted

Low Charging Static

Dissipative Proprietary

Outer Polvester Laver

Low Charging Static

Dissipative Proprietary

Aluminum Shielding Layer

Opening

Length (L)

Weld

Seal

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.

Overall Width (OW)

STATSHIELD®

Metal In Construction

Discharge Shielding

RoHS

Static Shielding Bag

ATTENTION:
Contents may be Static Sensitive

DescoIndustries.com

Made in America

Width (W)

Side Weld Seals 3/8 in. (±0.10)

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

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

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