

STATSHIELD® METAL-IN SERIES



STATSHIELD® Static Shielding Bag

Metal In Construction
Discharge Shielding

RoHS
2011/65/EU



ATTENTION:
Contents may be Static Sensitive
OTHER PETALUPE Handling Precautions Required

DescoIndustries.com
Made in America

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](#).

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)

Physical Properties

Film Thickness
Width (Inside Dimensions)
Length (Inside Dimensions)
Light Transmission
Heat Seal
Tensile Strength
Puncture Resistance
Non-corrosive
Silicone
Marking Adhesion

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

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

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)

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**DRAWING
NUMBER**
13405

DATE:
June
2019

DESCO