

STATSHIELD® METAL-IN SERIES LEAD-FREE AREA ESD SHIELDING BAG



Side Weld Seals 3/8 in. (±0.10)
Proprietary film - available only from Desco Industries Inc.

The bag's material meets the performance specification requirements of ANSI/ESD S541.

Bag is free of amines, N-octanoic acid, and heavy metals.

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RoHS Compliance Statement

None of the following materials are intentionally added in manufacturing this product: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) as outlined in the Directive 2002/95/EC Article 4.1. See Desco Industries Inc. letter on-line at Desco.com

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."

Specifications:

Electrical Properties

Surface Resistance:

Outer Surface
Aluminum Layer
Inner Surface

Static Shielding

Charge Generation

Capacitance Probe (to dissipate 1 KV)

Typical Values

<10E11 ohms
<10E2 ohms
<10E11 ohms
<25 nJ
Teflon: 0.09 nC/sq. in.
Quartz: 0.01 nC/sq. in.

<30V

Test Procedures/Method

ANSI/ESD S11.11
ANSI/ESD S11.11
ANSI/ESD S11.11
ANSI/ESD S11.31
Modified Incline Plane
Modified Incline Plane
ANSI/EIA 541/Appendix E, 1kV Discharge

Physical Properties

Bag Thickness:

Thickness

Width (Inside Dimensions)

Length (Inside Dimensions)

Light Transmission (%)

Heat Seal (lbs/in)

Seam Strength

Tear Strength (lbs)

Puncture Resistance (lbs)

MVTR (gms / 100 in² / 24 hrs, 100°F)

OTR (cc / 100 in² / 24 hrs)

Abrasion Resistance

Outgassing

Non-corrosive

Nominal .0030" (.0762mm) ±10%

Nominal -0" / + .125"

Nominal ± .125"

>40% (Tobias)

>10

Pass

>25

>10

<0.40

<6.1

>100 cycles

Pass

Pass

ASTM D-2103

ASTM D-1003

375°F, 1/2 sec 60 psi

ANSI/ESD S541

ASTM D-1004

ASTM D-2065

FTMS 101C/2065

ASTM D-1434

Sutherland Abr. (.0000 Steel Wool)

ASTM E595

MIL-STD-3010, M3005

Chemical Properties

Corrosion

Polycarbonate Capability,

No Amines or N-Octanoic Acid

No effect on aluminum, copper, silver, Sn-Pb coated foil,
stainless steel, low carbon steel

Yes

Not present

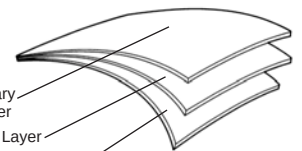


Mixed Unsortable Plastic Scrap

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

Low Charging Static
Dissipative Proprietary
Outer Polyester Layer
Aluminum Shielding Layer
Low Charging Static
Dissipative Proprietary Inner
Polyethylene Layer



Made in the
United States of America

STATSHIELD® BAG, SHIELDING, METAL-IN CONSTRUCTION, GREEN

DESCO

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**DRAWING
NUMBER**
12780

DATE:
December
2012