

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



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
MIL-PRF-81705D, EIA 541

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
MIL-PRF-81705D
ASTM D-1004
ASTM D-2065
FTMS 101C/2065
ASTM D-1434
Sutherland Abr. (.0000 Steel Wool)
ASTM E595
MIL-STD-3010, M3005

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 Mil-PRF-81705D, Type III.

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

Statshield®, Statfree®, and Faraday® are Registered Trademarks of Desco Industries Inc.

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."

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



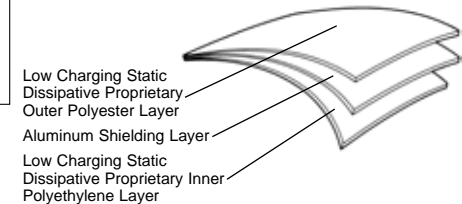
Mixed Unsortable Plastic Scrap

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



Made in America



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

DESCO

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WEB SITE: Desco.com

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**DRAWING
NUMBER**
12780

DATE:
June
2009