

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



Specifications:

Electrical Properties

Electrical Properties	Typical Values
Surface Resistance:	
Outer Surface	<10E11 ohms
Aluminum Layer	<10E2 ohms
Inner Surface	<10E11 ohms
Static Shielding	<25 nJ
Charge Generation	Teflon: 0.09 nC/sq. in. Quartz: 0.01 nC/sq. in.
Capacitance Probe (to dissipate 1 KV)	<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

Physical Properties	Typical Values	Test Procedures/Method
Bag Thickness:		
Thickness	Nominal .0030" (.0762mm) ±10%	ASTM D-2103
Width (Inside Dimensions)	Nominal -0" / +.125"	
Length (Inside Dimensions)	Nominal ±.125"	
Light Transmission (%)	>40% (Tobias)	ASTM D-1003
Heat Seal (lbs/in)	>10	375°F, 1/2 sec 60 psi
Seam Strength	Pass	ANSI/ESD S541
Tear Strength (lbs)	>25	ASTM D-1004
Puncture Resistance (lbs)	>10	ASTM D-2065
MVTR (gms / 100 in ² / 24 hrs, 100°F)	<0.40	FTMS 101C/2065
OTR (cc / 100 in ² / 24 hrs)	<6.1	ASTM D-1434
Abrasion Resistance	>100 cycles	Sutherland Abr. (.0000 Steel Wool)
Outgassing	Pass	ASTM E595
Non-corrosive	Pass	MIL-STD-3010, M3005

Chemical Properties

Corrosion	No effect on aluminum, copper, silver, Sn-Pb coated foil, stainless steel, low carbon steel
Polycarbonate Capability, No Amines or N-Octanoic Acid	Yes Not present

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.
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

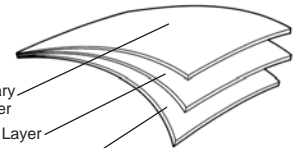


Mixed Unsortable Plastic Scrap

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

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."

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

DESCO

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**DRAWING
NUMBER**
12780

DATE:
December
2012

Mouser Electronics

Authorized Distributor

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