

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."



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

Specifications:

Electrical Properties Surface Resistance:	Typical Values	Test Procedures/Method
Outer Surface	<10E11 ohms	ANSI/ESD S11.11
Aluminum Layer	<10E2 ohms	ANSI/ESD S11.11
Inner Surface	<10E11 ohms	ANSI/ESD S11.11
Static Shielding	<25 nJ	ANSI/ESD S11.31
Charge Generation	Teflon: 0.09 nC/sq. in.	Modified Incline Plane
	Quartz: 0.01 nC/sq. in.	Modified Incline Plane
Capacitance Probe (to dissipate 1 KV)	<30V	ANSI/EIA 541/Appendix E, 1kV Discharge

Physical Properties		
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, Yes

No Amines or N-Octanoic Acid 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





${\sf STATSHIELD}^{\circledR} \ {\sf BAG}, \ {\sf SHIELDING}, \ {\sf METAL-IN} \ {\sf CONSTRUCTION}, \ {\sf GREEN}$

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DRAWING NUMBER 12780

DATE: December 2012

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Desco:

12788 12781 12787 12789 12783 12782 12790 12791 12780 12786