

STATSHIELD® METAL-OUT SERIES



Meets the required limits of ANSI/ESD S20.20, Packaging standard ANSI/ESD S541, and Static Control Bag standard ANSI/ESD S11.4 Level 3.

Specifications:

Electrical Properties

Surface Resistance:

Outer Surface
Inner Surface
Discharge Shielding
Charge Generation (nC/in²)

Typical Values

1×10^4 to $< 1 \times 10^8$ ohms
 1×10^4 to $< 1 \times 10^{11}$ ohms
<20 nJ
Teflon: -0.03
Quartz: +0.10
Capacitance Probe (to dissipate 1 KV) <30V

Test Procedures/Method

ANSI/ESD STM11.11
ANSI/ESD STM11.11
ANSI/ESD STM11.31
Modified Incline Plane
Modified Incline Plane
EIA 541

Physical Properties

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

Nominal 0.0030" (0.0762mm) $\pm 10\%$
Nominal -0" / + 0.125"
Nominal ± 0.125 "
>40% (Tobias)
>10 lbs/in
9000 PSI
>10 lbs
Pass
Not detected
Pass
MIL-STD-3010, 1003
375°F, 1/2 sec 60 psi
ASTM D882
MIL-STD-3010, 2065
MIL-STD-3010, M3005
ASTM E168
IPC-TM-650 2.4.1

Chemical Properties

Corrosion

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

Polycarbonate Capability,

Yes

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

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 2, REACH and Conflict Minerals Statement

None of the RoHS 2 restricted materials, or REACH substances of very high concern as of 2015/06/15, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Directive 2011/65/EC Article 4.1. and Regulation (EC) No. 1907/2006/CE. See Desco Industries Inc. [Limited Warranty ProtektivePak.com](http://LimitedWarrantyProtektivePak.com).



Made in the
United States of America

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Specifications and procedures subject to change without notice.

*Film made in USA or Malaysia

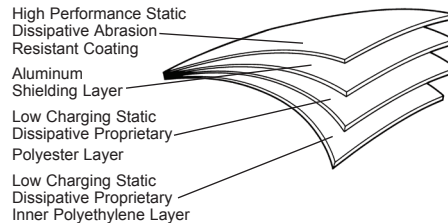
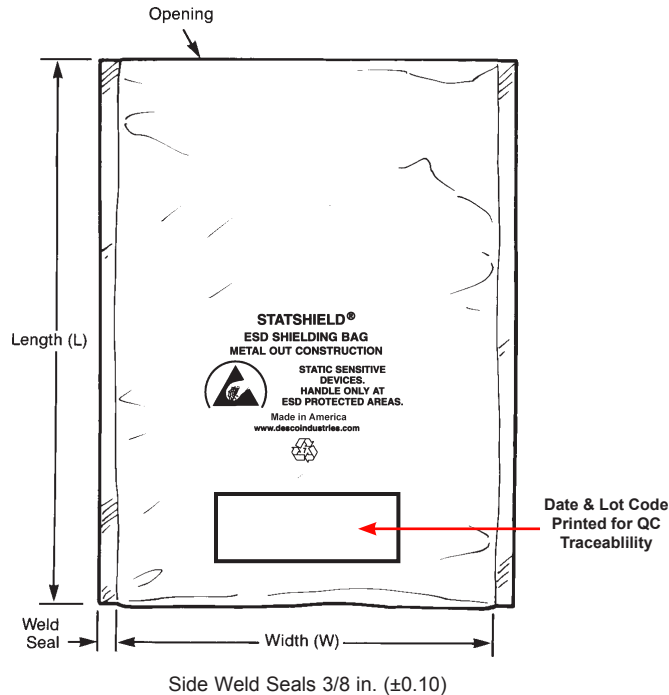
STATSHIELD® BAG, SHIELDING, METAL-OUT

PROTEKTIVE PAK

13520 MONTE VISTA AVENUE, CHINO, CA 91710
PHONE (909) 627-2578, FAX (909) 363-7331
ProtektivePak.com

DRAWING NUMBER
48750

DATE:
January
2016



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

Protektive Pak's bags are recyclable

Statshield® bags are packaged 100 per package in an oversized shielding bag.
See Shielding Bag Storage at TB-7057.

PROTEKTIVE PAK