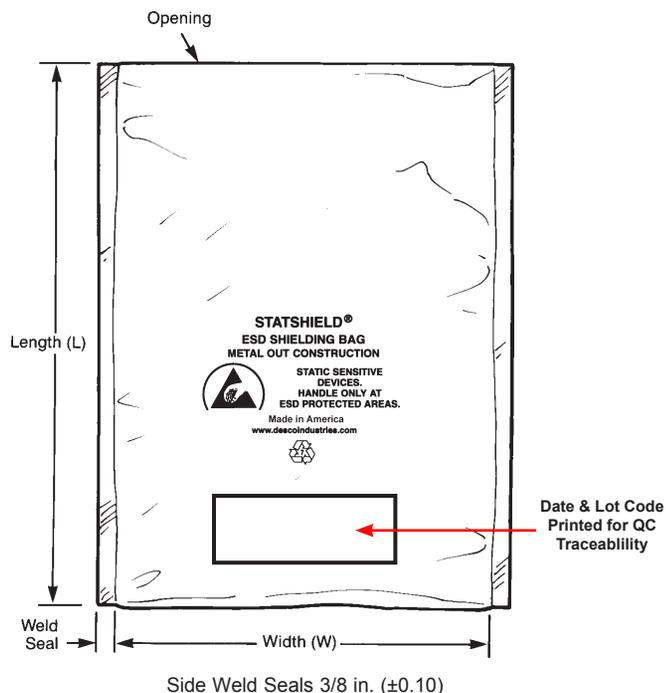


## STATSHIELD® METAL-OUT SERIES



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/in<sup>2</sup>)

#### Typical Values

1 x 10<sup>4</sup> to < 1 x 10<sup>8</sup> ohms  
1 x 10<sup>4</sup> to < 1 x 10<sup>11</sup> 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) ±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  
  
ASTM D-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

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).

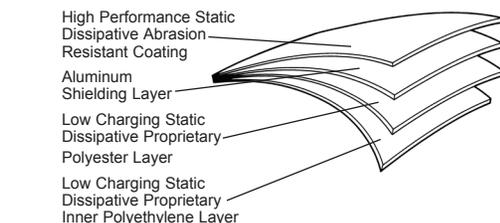


Made in the  
United States of America

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

Specifications and procedures subject to change without notice.

\*Film made in USA or Malaysia



#### 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](http://TB-7057).

### STATSHIELD® BAG, SHIELDING, METAL-OUT

#### PROTEKTIVE PAK

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

#### DRAWING NUMBER

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January  
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# PROTEKTIVE PAK