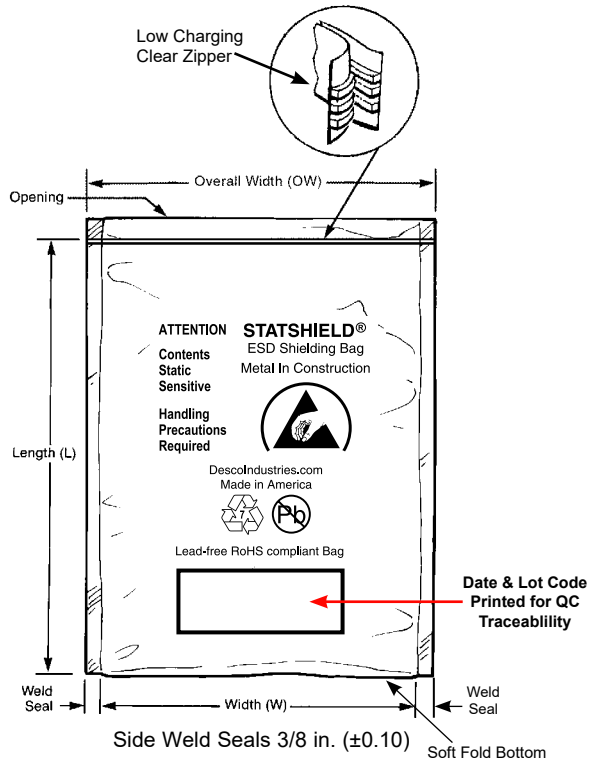


# STATSHIELD® METAL-IN SERIES



## Specifications:

**Standard Document**  
ANSI/ESD S541 (ANSI/ESD S20.20)  
ANSI/ESD S11.4

### Electrical Properties

Surface Resistance:  
Outer Surface  
Inner Surface  
Discharge Shielding  
Charge Generation

Capacitance Probe (to dissipate 1 KV)

### Typical Values

$1 \times 10^4$  to  $< 1 \times 10^{11}$  ohms  
 $1 \times 10^4$  to  $< 1 \times 10^{11}$  ohms  
<20 nJ  
Teflon: 0.09 nC/sq. in.  
Quartz: 0.01 nC/sq. in.  
<30 volts

### Physical Properties

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

Nominal 0.0030" (0.0762mm) ±10%  
Nominal -0" / + 0.125"  
Nominal ± 0.125"  
>40% (Tobias)  
>10 lbs/in  
4600 PSI, 32 MPa  
>10 lbs  
Not detected  
Pass

### Chemical Properties

Corrosion

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

**Meets Requirements of:**  
ESD Protective Packaging  
Level 3 Technical Requirements

### Test Procedures/Method

ANSI/ESD STM11.11  
ANSI/ESD STM11.11  
ANSI/ESD STM11.31, EIA 541  
Modified Incline Plane  
Modified Incline Plane  
ANSI/EIA-541/Appendix E, 1kV Discharge

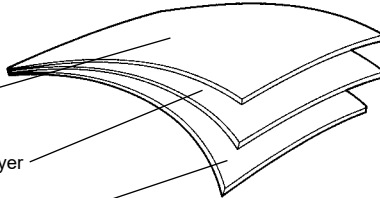
MIL-STD-3010, 1003

ASTM D-1003  
375°F, 1/2 sec 60 psi  
ASTM 882  
MIL-STD-3010, 2065  
ASTM E168  
IPC-TM-650 2.4.1

Low Charging Static  
Dissipative Proprietary  
Outer Polyester Layer

Aluminum Shielding Layer

Low Charging Static  
Dissipative Proprietary Inner  
Polyethylene Layer



### 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**

### ANSI/ESD S541 Section 6.2 Outside an EPA

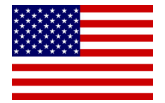
"Transportation of sensitive products outside of an EPA shall require packaging that provides:

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, REACH substances of very high concern as of 2015/12/17, or Conflict Minerals are intentionally added in manufacturing this product.  
Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See Protektive Pak's [Limited Warranty at ProtektivePak.com](#).

Statshield® and Statfree® are Registered Trademarks of Desco Industries Inc.  
See Bag Selection Chart Click [HERE](#).



Made in the  
United States of America

Specifications and procedures subject to change without notice.

## STATSHIELD® BAG, SHIELDING, METAL-IN, ZIPPER

# PROTEKTIVE PAK

**PROTEKTIVE PAK**  
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[ProtektivePak.com](http://ProtektivePak.com)

**DRAWING NUMBER**  
48720

**DATE:**  
June  
2016