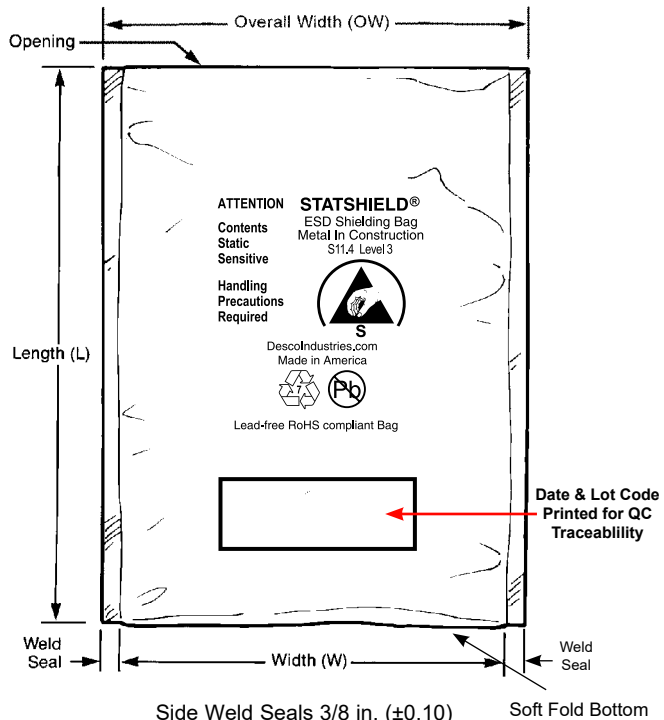
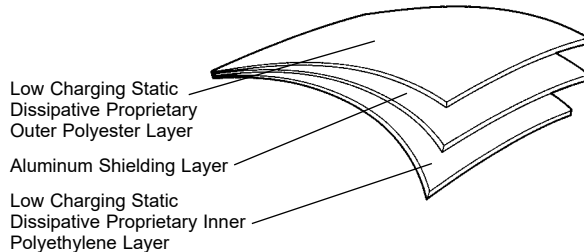


# STATSHIELD® METAL-IN SERIES



\*\* Bags are printed (hot stamp or thermal) with an ESD protective symbol and a lot code for traceability. \*\*



### 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 bags are recyclable**

Statshield® bags are packaged 100 per package in an oversized shielding bag. See **Shielding Bag Storage** at [TB-7057](#).

## 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

### Typical Values

1 x 10<sup>4</sup> to < 1 x 10<sup>11</sup> ohms  
1 x 10<sup>4</sup> to < 1 x 10<sup>11</sup> ohms  
<20 nJ  
Teflon: 0.09 nC/sq. in.  
Quartz: 0.01 nC/sq. in.

Capacitance Probe (to dissipate 1 kV) <30 volts

### Physical Properties

Film Thickness  
Width (Inside Dimensions)  
Length (Inside Dimensions)  
Light Transmission  
Heat Seal  
Tensile Strength  
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  
4600 PSI, 32 MPa  
>10 lbs  
Pass  
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  
MIL-STD-3010, M3005  
ASTM E168  
IPC-TM-650 2.4.1

### 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, REACH and Conflict Minerals Statement

See the Desco Industries RoHS, REACH, and Conflict Minerals Statement: [Regulatory\\_Statement\\_Statshield\\_Bags.pdf](#)

See Protektive Pak's Limited Warranty: [ProtektivePak.com/Limited-Warranty](#)

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

See Bag Selection Chart Click [HERE](#).

Specifications and procedures subject to change without notice.



Made in the  
United States of America

## STATSHIELD® BAG, SHIELDING, METAL-IN, 0.0030" (0.0762mm)

### PROTEKTIVE PAK

13250 MONTE VISTA AVENUE, CHINO, CA 91710  
PHONE (909) 627-2578  
[ProtektivePak.com](#)

**DRAWING NUMBER**  
48700

**DATE:**  
September  
2021

# PROTEKTIVE PAK