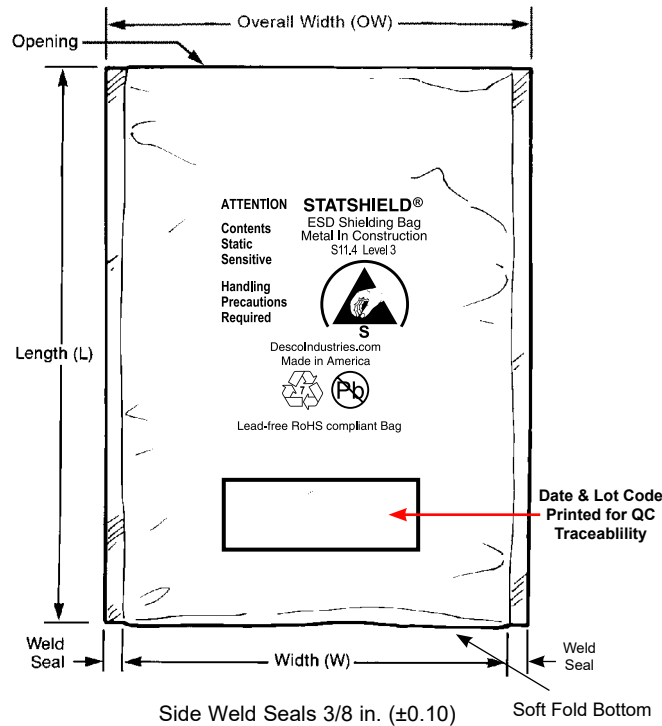
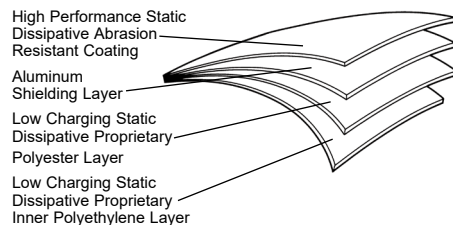


# STATSHIELD® METAL-OUT SERIES



\*\* 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's bags are recyclable**

## 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)

## Physical Properties:

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

## Chemical Properties

Corrosion

## 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 nC/sq. in.  
Quartz: +0.10 nC/sq. in.  
<30 volts

Nominal 0.003" (0.0762mm) ±10%  
Nominal -0" / + 0.125"  
Nominal ± 0.125"  
40% (Tobias)  
>10 lbs  
>10 lbs/in.  
Pass  
Not detected  
Pass

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  
MIL-STD-3010, 2065  
375°F, 1/2 sec 60 psi  
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® bags are packaged 100 per package in an oversized shielding bag.  
See Shielding Bag Storage at [TB-7057](#).

## STATSHIELD® BAG, SHIELDING, METAL-OUT

# PROTEKTIVE PAK

**PROTEKTIVE PAK**  
13520 MONTE VISTA AVENUE, CHINO, CA 91710  
PHONE (909) 627-2578  
[ProtektivePak.com](#)

**DRAWING NUMBER**  
48750

**DATE:**  
September  
2021