

# STATSHIELD® METAL-OUT SERIES



## Specifications:

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

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

### 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  $< 1 \times 10^8$  ohms  
 $1 \times 10^4$  to  $< 1 \times 10^{11}$  ohms  
<20 nJ  
Teflon: -0.03 nC/sq. in.  
Quartz: +0.10 nC/sq. in.  
<30 volts

### 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, 1 kV Discharge

### Physical Properties:

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

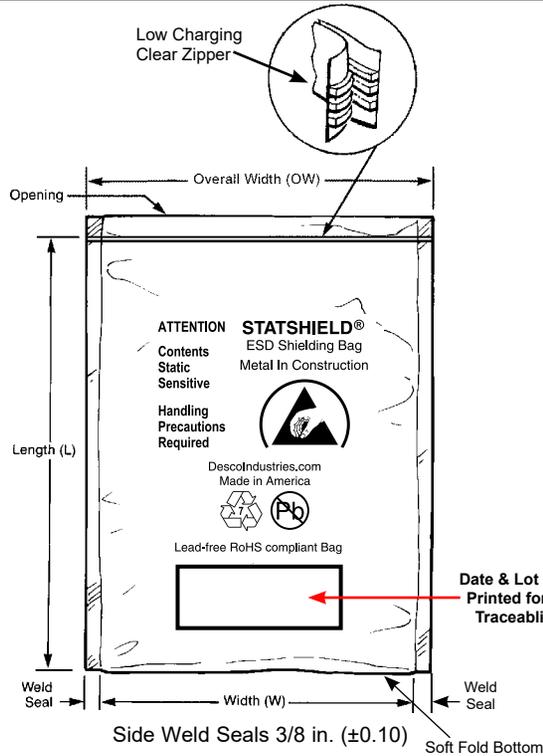
Nominal 0.003" (0.0762mm)  $\pm 10\%$   
Nominal -0" / + 0.125"  
Nominal  $\pm 0.125$ "  
40% (Tobias)  
>10 lbs  
>10 lbs/in.  
Pass  
Not detected  
Pass

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

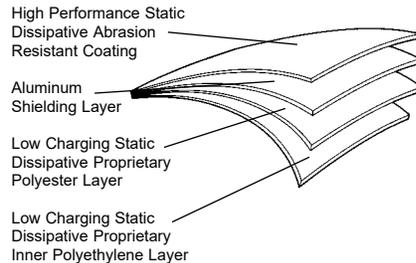
### Chemical Properties

Corrosion

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



**\*\* 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**

### 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](http://ProtektivePak.com/Limited-Warranty)

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-OUT, ZIPPER

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[ProtektivePak.com](http://ProtektivePak.com)

**DRAWING NUMBER**  
48770

**DATE:**  
September  
2021

# PROTEKTIVE PAK

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