

# STATSHIELD® METAL-IN SHIELDING SERIES



Meets EN 61340-5-1 and Packaging standard EN 61340-5-3 tested per IEC 61340-2-3 and ANSI/ESD STM11.31

## Specifications:

### Electrical Properties

Surface Resistance:  
Outer Surface  
Inner Surface  
Discharge Shielding  
Charge Generation

### 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

### Test Procedures/Method

IEC 61340-2-3  
IEC 61340-2-3  
ANSI/ESD STM11.31  
Modified Incline Plane  
Modified Incline Plane  
EIA 541

### Physical Properties

Film Thickness  
Light Transmission  
Heat Seal  
Tensile Strength  
Puncture Resistance  
Marking Adhesion  
Cleanliness

3.0 Mils  $\pm$  10%  
>40% (Tobias)  
>10 lbs/in  
4600 PSI, 32 MPa  
>10 lbs  
Pass  
Silicone Not detected

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

### Chemical Properties

Corrosion

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

Polycarbonate Capability,

Yes

Bag is free of amines, N-octanoic acid, silicones and heavy metals.

### Per Packaging Standard EN 61340-5-3 clause 5.3 Outside an EPA

“Transportation of sensitive products outside of an EPA shall require packaging that provides both:  
a) dissipative or conductive materials for intimate contact;  
b) a structure that provides electrostatic discharge shielding.”

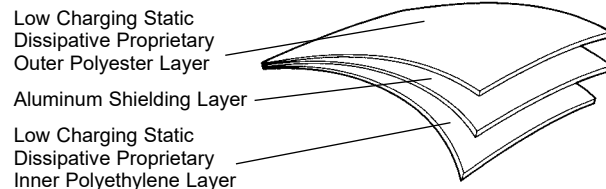
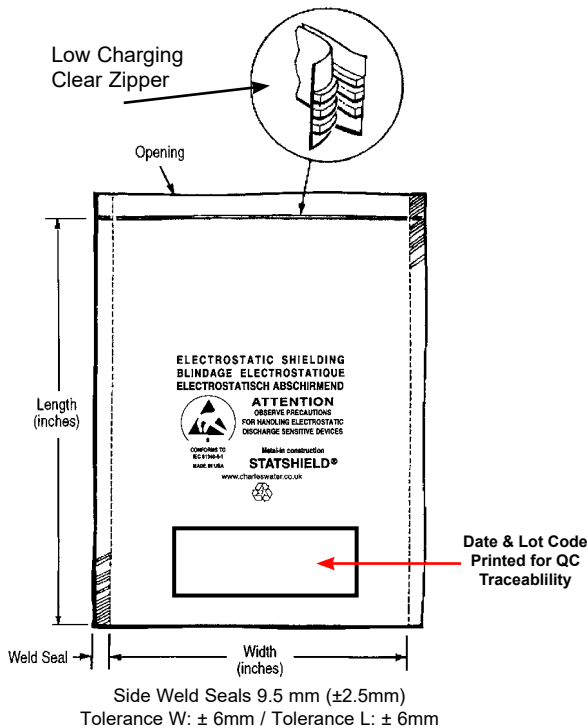
### RoHS 2, REACH and Conflict Minerals Statement

None of the RoHS 2 restricted materials, or REACH substances of very high concern as of 2015/12/17, 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 at [Charleswater.co.uk](http://Charleswater.co.uk).

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Made in the United States of America\*



### 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  
**Charleswater's bags are recyclable**

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

Specifications and procedures subject to change without notice.

\*Film made in America or Malaysia



## Statshield® Bag, Shielding, Metal-In Construction, Zipper

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90600.E

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