



## STATFREE® ESD ULTRA CLEAR BAG

Meets the required limits of ANSI/ESD S20.20, Packaging standard ANSI/ESD S541, and Static Control Bag standard ANSI/ESD S11.4 Level 5.

### Specifications:

#### Electrical Properties

Surface Resistivity:  
(Interior and Exterior)  
Charge Generation:  
Teflon  
Quartz

#### Typical Value

$1 \times 10^4$  to  $< 1 \times 10^{11}$  ohms  
 $-0.10$  (nC/in<sup>2</sup>)  
 $+0.10$  (nC/in<sup>2</sup>)

#### Test Procedures/Method

per ANSI/ESD STM11.11  
Modified Incline Plane  
Modified Incline Plane

#### Physical Properties:

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

Nominal .0035" (.0889mm)  $\pm 10\%$   
Nominal  $-0" / + .125"$   
Nominal  $\pm .125"$   
>90 (%)  
>8 (lbs/in)  
>5,300 (MD/TD, psi)  
>14 lbs  
Not detected  
0.35

MIL-STD-3010, 1003  
STM D-1003  
375°F, .75 sec 60 psi  
ASTM D-882  
MIL-STD-3010, 2065  
FTIR  
ASTM F-1249

#### Chemical Properties

Polycarbonate compatible: Contains no Amines, Amides, or N-Octanoic Acid.

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

#### ANSI/ESD S541 section 6.1 Inside an EPA

"Packaging used within an EPA (that satisfies the minimum requirements of ANSI/ESD S20.20) shall be:

- Low charge generation
- Dissipative or conductive materials for intimate contact"

#### RoHS 2, REACH, and Conflict Minerals Statement

None of the RoHS 2 restricted materials or REACH (Registration, Evaluation and Authorization of Chemicals) substances of very high concern as of 2017/07/07, 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 Desco Limited Warranty at Desco.com.

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



Made in the  
United States of America

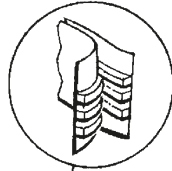
Specifications and procedures subject to change without notice.

### STATFREE® ESD ULTRA CLEAR BAG WITH ZIPPER, .0035" (.0889mm)

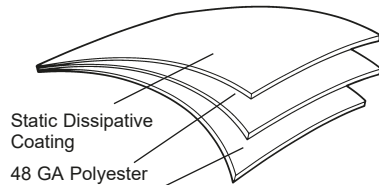
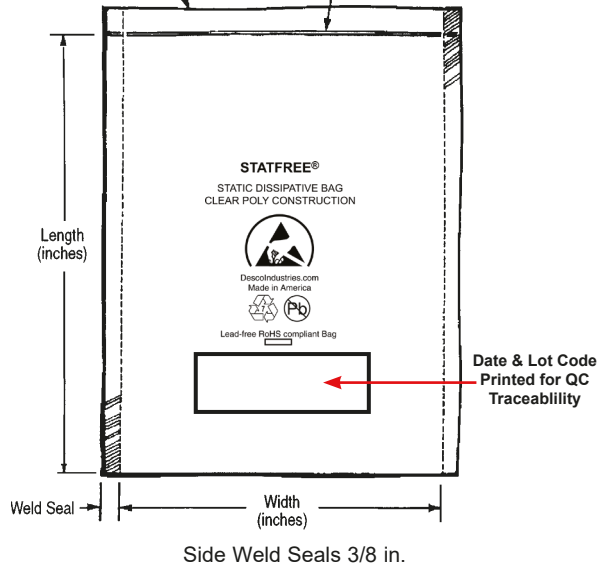
DRAWING  
NUMBER  
13880

DATE:  
December  
2017

Low Charging  
Zipper



Opening



Static Dissipative  
Coating  
48 GA Polyester  
Static Dissipative  
Permastat™ PE



#### 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

**Desco's bags are recyclable**

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

# DESCO