



## 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 S11.4-2012 Level 5.

### Specifications:

#### Electrical Properties

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

#### Typical Value

$\geq 1 \times 10^4$  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 Res.  
MVTR

Nominal .0035" (.0889mm)  $\pm 10\%$   
Nominal -0" / + .125"  
Nominal  $\pm .125$ "  
>90 (%)  
>8 (lbs/in)  
>5,300 (MD/TD, psi)  
>25 lbs  
0.35

MIL-STD-3010, 1003  
STM D-1003  
375°F, .75 sec 60 psi  
ASTM D-882  
MIL-STD-3010, 2065  
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 and REACH Statement

None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2012/12/19 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](#).

Meets ANSI/ESD S20.20 and Packaging standard ANSI/ESD S541 tested per ANSI/ESD STM11.11

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)

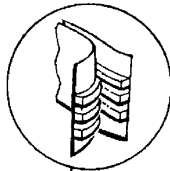
DESCO WEST: 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: [Desco.com](#)  
PHONE (909) 627-8178

DESCO EAST: ONE COLGATE WAY, CANTON, MA 02021-1407  
PHONE (781) 821-8370

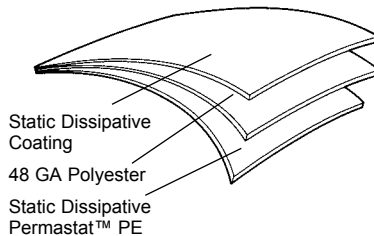
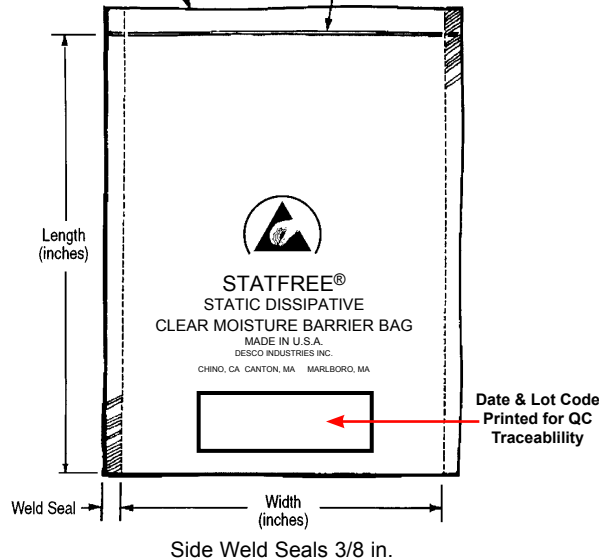
DRAWING  
NUMBER  
13880

DATE:  
September  
2013

Low Charging  
Zipper



Opening



#### 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