



# STATFREE® ESD ULTRA CLEAR BAG

## Specifications:

### Electrical Properties

Surface Resistance:  
(both surfaces @ 50%RH)  
Charge Generation:  
Teflon  
Quartz

### Typical Value

<10E11 ohms  
-0.10 (nC/in<sup>2</sup>)  
+0.10 (nC/in<sup>2</sup>)

### Test Procedures/Method

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

### Physical Properties:

Thickness  
Tensile Strength  
Puncture Res.  
Heat Seal  
Light Transmission  
MVTR

Nominal .0035" (.0889mm) ±10%  
>5,300 (MD/TD, psi)  
>25 lbs  
>8 (lbs/in)  
>90 (%)  
0.35

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

None of the RoHS restricted materials or REACH substances of very high concern are intentionally added in manufacturing this product. Ref: Directive 2002/95/EC Article 4.1. and Regulation (EC) No. 1907/2006. See Desco Industries Inc. Limited Warranty at [Desco.com](http://Desco.com).

The bag's material meets the required limits of ANSI/ESD S541 per ANSI/ESD S20.20.  
Statshield® and Statfree® are Registered Trademarks of Desco Industries Inc.

Distributed by:

#### All-Spec Industries

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Made in the  
United States of America

Specifications and procedures subject to change without notice.

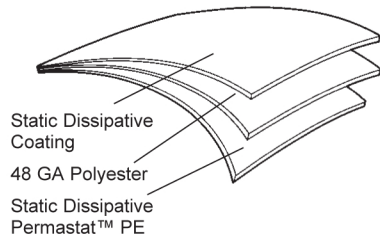
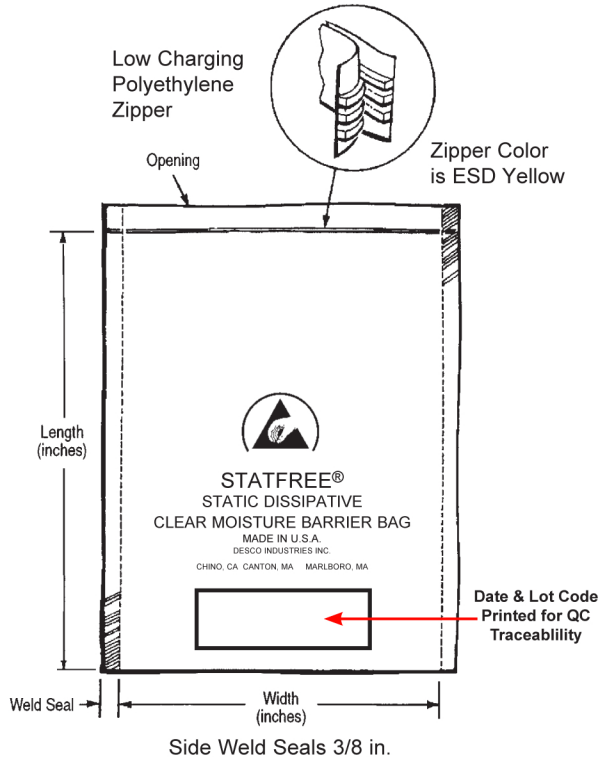
## STATFREE® ESD ULTRA CLEAR BAG, .0035" (.0889mm)

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DRAWING  
NUMBER  
13880

DATE:  
October  
2011



### 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.  
Shelf life of bags is minimum one year in normal indoor storage conditions.

# DESCO