



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/in²)
 $+0.10$ (nC/in²)

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)

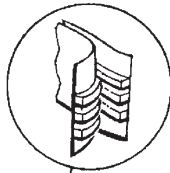
DESCO WEST: 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: [Desco.com](#)
PHONE (909) 627-8178

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

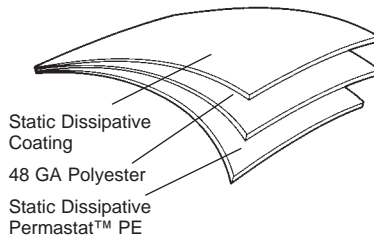
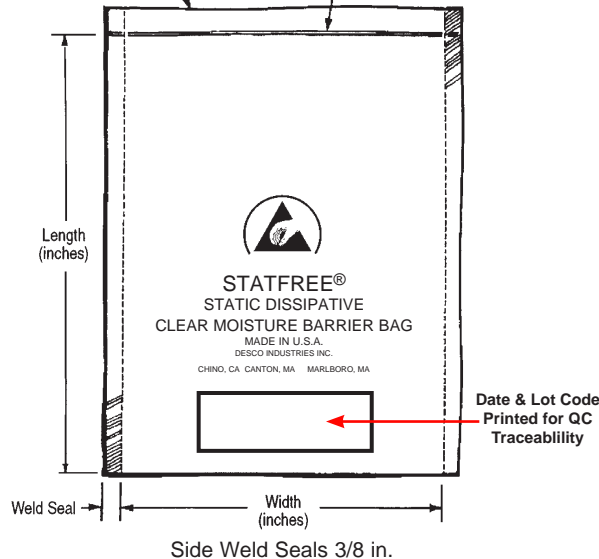
DRAWING
NUMBER
13880

DATE:
October
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