



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

Typical Value

1×10^4 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 Resistance
Silicone
MVTR

Nominal 3.5mil (.09mm) $\pm 10\%$
Nominal $-0" / + 1/4"$
Nominal $\pm 1/8"$, Offset 0" to $1/4"$
 >90 (%)
 >8 (lbs/in)
 $>5,300$ (MD/TD, psi)
 >14 lbs
Not detected
 0.35 (grams / 100 in² / 24 hrs)

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, REACH and Conflict Minerals, Statement

See the Desco Industries RoHS, REACH, and Conflict Minerals Statement:
[DescoIndustries.com/ROHS3.aspx](https://www.descoindustries.com/ROHS3.aspx)

See the Desco Limited Warranty:

[Desco.DescoIndustries.com/Limited-Warranty.aspx](https://www.DescoIndustries.com/Limited-Warranty.aspx)

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

Specifications and procedures subject to change without notice.



Made in the
United States of America

STATFREE® ESD ULTRA CLEAR BAG WITH ZIPPER, 3.5MIL (.09mm)

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

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

DRAWING
NUMBER
13880

DATE:
August
2019

Low Charging
Zipper



Opening

Lip 1" ($\pm 1/8"$)

Length
(inches)

STATFREE®
STATIC DISSIPATIVE BAG
CLEAR POLY CONSTRUCTION



DescoIndustries.com
Made in America

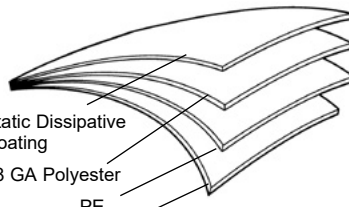
Lead-free RoHS compliant Bag

Date & Lot Code
Printed for QC
Traceability

Weld Seal

Width
(inches)

Side Weld Seals $3/8$ in ($\pm 1/8"$)



Static Dissipative
Coating

48 GA Polyester

PE

Static Dissipative Coating



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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Desco:

[13884](#) [13885](#) [13879](#) [13880](#) [13881](#) [13882](#) [13883](#)