



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

Electrical Properties	Typical Value
Surface Resistance: (Interior and Exterior)	1×10^4 to $< 1 \times 10^{11}$ ohms
Charge Generation: Teflon	-0.10 (nC/in ²)
Quartz	+0.10 (nC/in ²)

Test Procedures/Method

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

Physical Properties:

Physical Properties	Typical Value	Test Procedures/Method
Thickness	Nominal 3.5mil (.09mm) ±10%	MIL-STD-3010, 1003
Width (Inside Dimensions)	Nominal -0" / + 1/4"	
Length (Inside Dimensions)	Nominal +/- 1/8", Offset 0" to 1/4"	
Light Transmission	>90 (%)	STM D-1003
Heat Seal	>8 (lbs/in)	375°F, .75 sec 60 psi
Tensile Strength	>5,300 (MD/TD, psi)	ASTM D-882
Puncture Resistance	>14 lbs	MIL-STD-3010, 2065
Silicone	Not detected	FTIR
MVTR	0.35 (grams / 100 in ² / 24 hrs)	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:

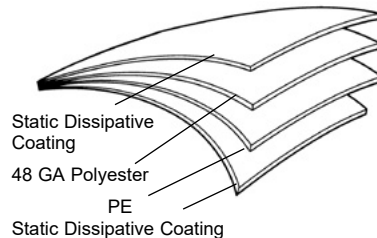
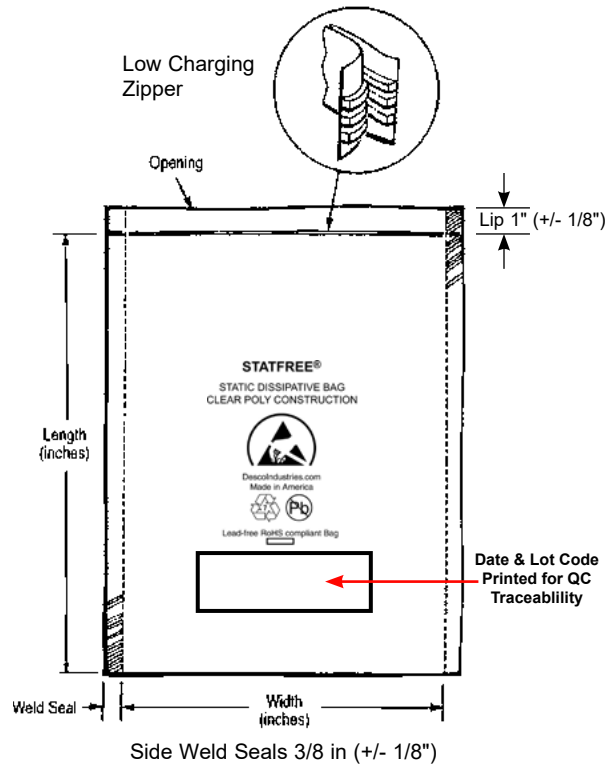
[Desco.DescoIndustries.com/Limited-Warranty.aspx](https://www.DescoIndustries.com/Limited-Warranty.aspx)

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



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](#).

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

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PHONE (909) 627-8178

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

DRAWING
NUMBER
13880

DATE:
August
2019

DESCO