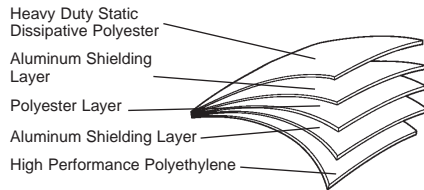
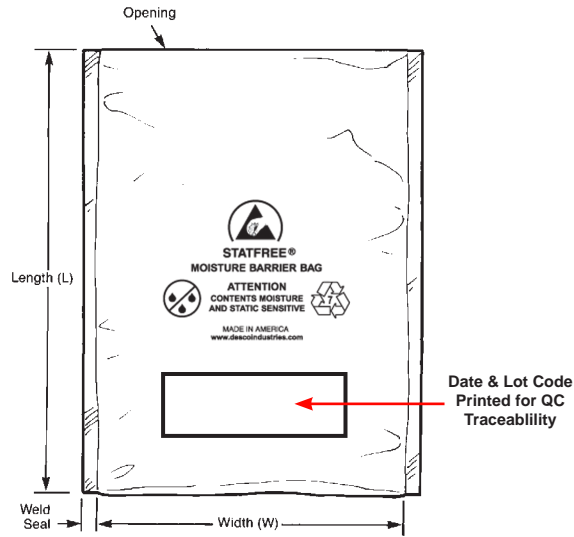


# STATSHIELD® STANDARD MOISTURE BARRIER BAG



## Specifications:

### Electrical Properties

Surface Resistance (both surfaces @ 12%RH)  
 Static Shielding  
 Static Shielding  
 Charge Generation  
 Teflon  
 Quartz

### Typical Values

<10E11ohms  
 <10 nJ  
 20 volts  
 -0.09 (nC/in<sup>2</sup>)  
 +.10 (nC/in<sup>2</sup>)

### Test Procedures/Method

ANSI/ESD STM11.11  
 ANSI/ESD STM11.31  
 EIA 541  
 Modified incline plane  
 Modified incline plane

### Physical Properties

Thickness  
 Puncture Strength  
 Heat Seal Strength (Vetrod bar sealer)  
 Heat Seal Temperature  
 MTVR  
 Outgassing  
 Contact Corrosion

Nominal .0035" (.0889mm) ±10%  
 >20 lbs  
 >11 (lb/in width)  
 325 (60 PSI @ 3 sec dwell) (°F)  
 ≤0.02g/100sq.in/24hours  
 Pass  
 No evidence of corrosion, pitting, or etching of material  
 Pass

MIL-STD-3010, 1003  
 MIL-STD-3010, 2065  
 ASTM D1876-93  
 ASTM S 1249-90  
 ASTM E595  
 FTMS 101C, Method 3005  
 MIL-STD-3010, M3005

Non-corrosive

### 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.

**NOTE:** The complete dry package concept of packaging for electronics requires three elements:

- MOISTURE BARRIER BAG - To Protect
- DESICCANT - To Absorb Moisture
- INDICATOR - To Monitor Performance

For detailed instructions see Technical Bulletin [TB-2031](http://www.desco.com/TB-2031) "Application Instructions for Moisture Barrier Bags."

### DESICCANT PACK INFORMATION

Desiccant packs meet MIL-D-3464. Packs meet Type I and Type II criteria for dust-free packaging. RULE-OF-THUMB - use 1/2 unit for every 45 square inches of bag area.

<a href="#">13840</a>	1/2 unit	Box of 700
<a href="#">13843</a>	1 unit	Box of 450
<a href="#">13844</a>	1 unit	Pail of 300
<a href="#">13850</a>	1/2 unit	Pail of 550

### HUMIDITY MONITOR INFORMATION

[13860](#) Humidity Monitor. Can of 100 2" x 3" blotting paper cards that indicate 10, 20, 30 and 40% relative humidity with a color comparison bar. Meets MIL-I-8835.

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.**

Specifications and procedures subject to change without notice.



## STATSHIELD® STANDARD, MOISTURE BARRIER BAG, .0035" (.0889mm)



DESCO WEST: 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: [Desco.com](http://Desco.com)  
 PHONE (909) 627-8178 FAX (909) 627-7449

DESCO EAST: 90 HUDSON RD, CANTON, MA 02021-1407  
 PHONE (781) 821-8370 FAX (781) 575-0172

**DRAWING NUMBER**  
 13806

**DATE:**  
 October 2011