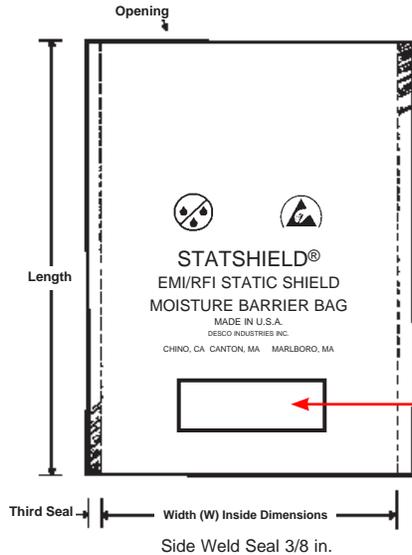


# STATSHIELD® HIGH PUNCTURE MOISTURE BARRIER BAG



## Specifications:

**Electrical Properties**  
 Surface Resistance (both surfaces @ 12%RH) <math><10E12</math> ohms  
 Static Shielding <math><10</math> nJ  
 EMI Attenuation <math><45</math> (dB between 1 and 10 GHz)  
 Capacitive Probe Test (high voltage discharge) <math><8</math> volts  
 Discharge  
 Charge Generation  
 Teflon -0.09 (nC/in<sup>2</sup>)  
 Quartz +.10 (nC/in<sup>2</sup>)

**Typical Values**  
 Surface Resistance (both surfaces @ 12%RH) <math><10E12</math> ohms  
 Static Shielding <math><10</math> nJ  
 EMI Attenuation <math><45</math> (dB between 1 and 10 GHz)  
 Capacitive Probe Test (high voltage discharge) <math><8</math> volts  
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**Test Procedures/Method**  
 ANS/ESD STM11.11  
 ANS/ESD STM11.31, EIA 541  
 ANS/ESD S541  
 EIA Std 541/Appendix E, 1kV  
 Modified incline plane  
 Modified incline plane

## Physical Properties

Thickness Nominal .0065" (.1651mm) ±10%  
 Tensile 9000 PSI  
 Puncture Strength >30 lbs  
 Heat Seal Strength (Vetrod bar sealer) >11 (lb/in width)  
 Heat Seal Temperature 325 (60 PSI @ 3 sec dwell) (°F)  
 Light Transmission <math><0.01</math>(%)  
 MVTR ≤0.005 grams/ 100 in<sup>2</sup>/ 24 hrs, 100°F

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MIL-STD-3010, 1003  
 ASTM D882  
 MIL-STD-3010, 2065  
 ASTM D1876-93  
 ASTM D1033-92  
 ASTM F1249-90  
 100 in<sup>2</sup>/24 hr, 77°F, 0%: 90%

R.H. Contact Corrosion No evidence of corrosion, pitting, or etching of material  
 Non-corrosive Pass

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 Non-corrosive Pass

FTMS 101C, Method 3005  
 MIL-STD-3010, M3005

## 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 [ProtektivePak.com](http://ProtektivePak.com).

The bag's material meets the required limits of ANSI/ESD S541 per ANSI/ESD S20.20.

Statshield® and Staffree® are Registered Trademarks of Desco Industries Inc.

Specifications and procedures subject to change without notice.



Made in the United States of America

**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 ask for Technical Bulletin [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.

48880 1/2 unit Pail of 550  
 48888 1 unit Pail of 300

## HUMIDITY MONITOR INFORMATION

48882 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.

## STATSHIELD® HIGH PUNCTURE, MOISTURE BARRIER BAG, .0065" (.1651mm)

# PROTEKTIVE PAK

**PROTEKTIVE PAK**  
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[ProtektivePak.com](http://ProtektivePak.com)

**DRAWING NUMBER**  
 48782

**DATE:**  
 October  
 2011