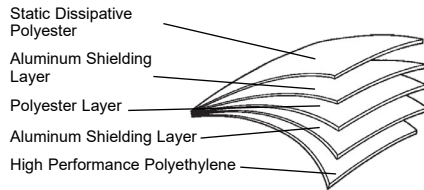
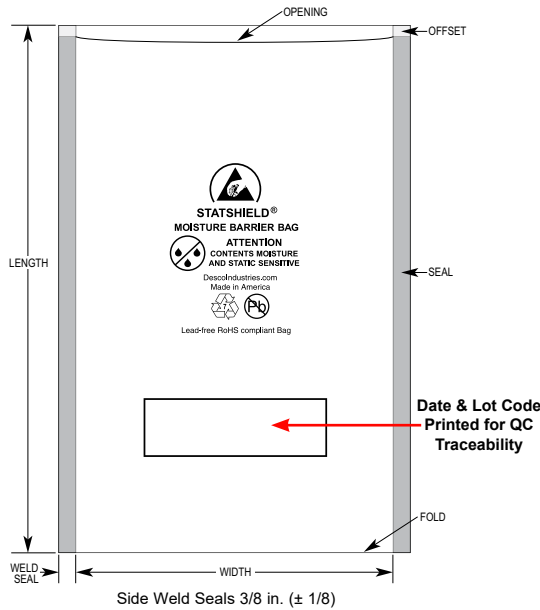


# STATSHIELD® STANDARD MOISTURE BARRIER BAG



## Specifications:

**Standard Document**  
ANSI/ESD S541 (ANSI/ESD S20.20)  
ANSI/ESD S11.4

**Electrical Properties**  
Surface Resistance  
(both exterior and interior)  
Discharge Shielding  
Static Shielding  
Charge Generation  
Teflon  
Quartz

**Physical Properties**  
Film Thickness  
Width (Inside Dimensions)  
Length (Inside Dimensions)  
Opening Offset  
Puncture Strength  
Heat Seal Strength  
(Vetrod bar sealer)  
Seal Strength  
MVTR  
Silicone  
Non-corrosive  
Marking Adhesion

**Heat Sealing Properties**  
Temperature  
Time  
Pressure

## Typical Values

1 x 10<sup>4</sup> to < 1 x 10<sup>11</sup> ohms  
<10 nJ  
20 volts  
  
-0.09 nC/sq. in.  
+0.10 nC/sq. in.  
  
Nominal 3.5mil (.09mm) ±10%  
Nominal -0" / + 1/4"  
Nominal +/- 1/8",  
0" to 1/4"  
>20 lbs  
  
>11 (lb/in width)  
>12 PSI  
≤0.02/g/100sq.in./24hours  
Not detected  
Pass  
Pass  
  
300°F – 400°F, 140°C – 204°C  
0.6 – 4.5 seconds  
30 – 70 PSI, 206 – 482 KPa

**Meets Requirements of:**  
ESD Protective Packaging  
Level 2 except MVTR

## Test Procedures/Method

ANSI/ESD STM11.11  
ANSI/ESD STM11.31  
EIA 541  
  
Modified incline plane  
Modified incline plane  
  
MIL-STD-3010, 1003  
  
MIL-STD-3010, 2065  
  
ASTM D1876-93  
ASTM D882  
ASTM F1249  
FTIR  
MIL-STD-3010, M3005  
IPC-TM-650 2.4.1

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

[Statshield® Moisture Barrier Bags](#) - To Protect

[Desiccant](#) - To Absorb Moisture

[Humidity Indicator Card](#) - To Monitor Performance

For detailed instructions see Technical Bulletin [TB-2031](#) - Moisture Barrier Bags Application Instructions.

## 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, REACH and Conflict Minerals, Statement

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

## See the Desco Limited Warranty:

[Desco.DescoIndustries.com/Limited-Warranty.aspx](http://Desco.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

Statshield® bags are packaged 100 per package in an oversized shielding bag.  
See **Shielding Bag Storage** at [TB-7057](#).

## Statshield® Standard, Moisture Barrier Bag, 3.5MIL (0.09mm)

# DESCO

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**DRAWING  
NUMBER**  
13806

**DATE:**  
February  
2021