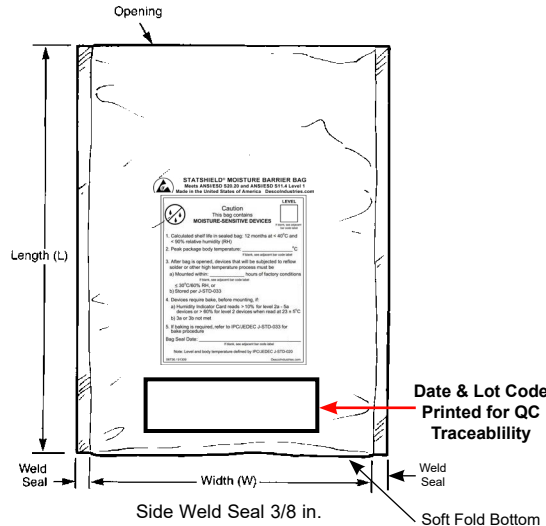


## STATSHIELD® FOIL MOISTURE BARRIER BAG WITH IPC/JEDEC MOISTURE SENSITIVE CAUTION MARKINGS



### Specifications:

**Standard Document**  
ANSI/ESD S541 (ANSI/ESD S20.20)  
ANSI/ESD S11.4 Level 1  
IPC/JEDEC J-STD-033C

### Electrical Properties

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

### Physical Properties

Film Thickness  
Puncture Strength  
Heat Seal Strength  
(Vetrol bar sealer)  
Seal Strength  
MVTR

Silicone  
Contact Corrosion

Non-corrosive  
Marking adhesion

### Typical Values

$1 \times 10^4$  to  $< 1 \times 10^{11}$  ohms  
<10 nJ  
20 volts  
  
-0.09 (nC/in<sup>2</sup>)  
+ .10 (nC/in<sup>2</sup>)

Nominal 0.0040" (0.1016mm) ±10%  
>25 bs  
  
>11 (lb/in width)  
>12 PSI  
≤0.0003/g/100sq.in/24hours

Not detected  
No evidence of corrosion,  
pitting, or etching of material  
Pass  
Pass

### Meets Requirements of:

ESD Protective Packaging  
All Moisture and ESD Properties for Level 1 Products  
Packaging of Moisture/Reflow Sensitive Methods

### Test Procedures/Method

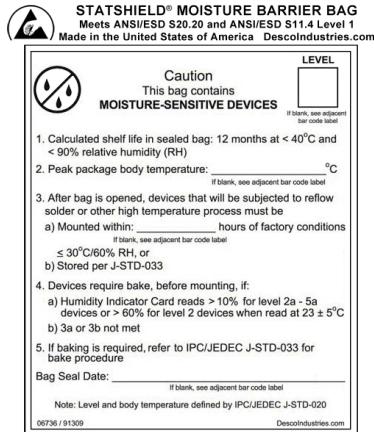
ANSI/ESD STM11.11  
ANSI/ESD STM11.31  
EIA 541

Modified incline plane  
Modified incline plane

MIL-STD-3010, 1003  
MIL-STD-3010C, 2065

ASTM D1876-93  
ASTM D882  
ASTM F1249-90  
(Flex Testing per ASTM F392)  
FTIR  
FTMS 101C, Method 3005

MIL-STD-3010, M3005  
IPC-TM-650 2.4.1



Bag Imprint

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

- [Statshield® Moisture Barrier Bags](#) - To Protect
- [Dessicant](#) - To Absorb Moisture
- [Humidity Indicator Card](#) - To Monitor Performance

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

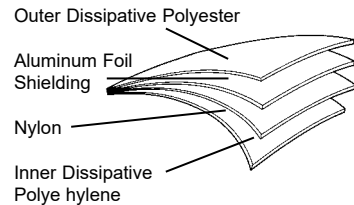
### RoHS 2, REACH and Conflict Minerals Statement

None of the RoHS 2 restricted materials, REACH substances of very high concern as of 2016/06/20, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See [Desco Limited Warranty at Desco.com](#).

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

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

Specifications and procedures subject to change without notice.



Made in the  
United States of America  
with globally sourced  
materials



## STATSHIELD® FOIL MOISTURE BARRIER BAG, 0.0040" (0.1016mm)

# DESCO

**DRAWING  
NUMBER**  
13960

**DATE:**  
August  
2016