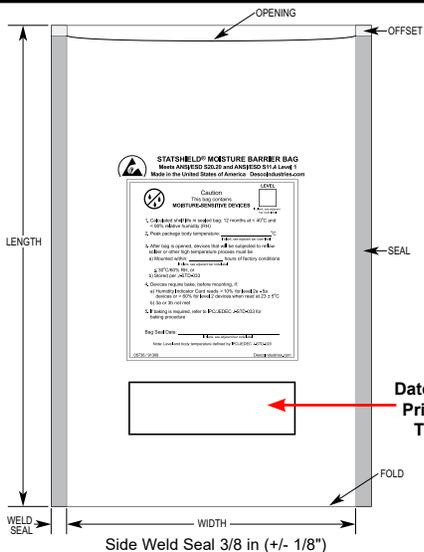
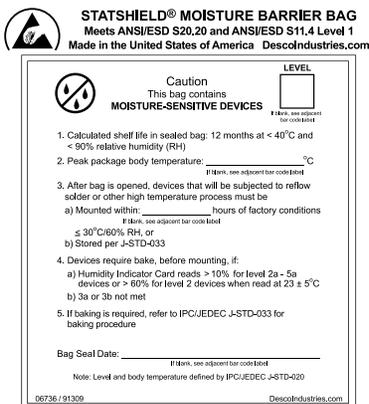


# STATSHIELD® FOIL MOISTURE BARRIER BAG WITH IPC/JEDEC MOISTURE SENSITIVE CAUTION MARKINGS



**\*\* Bags are printed (hot stamped or thermal transferred) with an ESD protective symbol and a lot code for traceability. \*\***



Bag Imprint

## 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  
Width (Inside Dimensions)  
Length (Inside Dimensions)  
Opening Offset  
Puncture Strength  
Heat Seal Strength  
(Vetrod bar sealer)  
Seal Strength  
MVTR

Silicone  
Contact Corrosion

Non-corrosive  
Marking adhesion

**Heat Sealing Properties**  
Temperature  
Time  
Pressure

## Typical Values

$1 \times 10^4$  to  $< 1 \times 10^{11}$  ohms  
<10 nJ  
20 volts

-0.09 (nC/in<sup>2</sup>)  
+0.10 (nC/in<sup>2</sup>)

Nominal 4.0mil (0.10mm) ±10%  
Nominal -0" / + 1/4"  
Nominal +/- 1/8",  
0" to 1/4"  
>25 lbs

>11 (lb/in width)  
>12 PSI  
≤0.0003g/100sq.in./24hours

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

### 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)

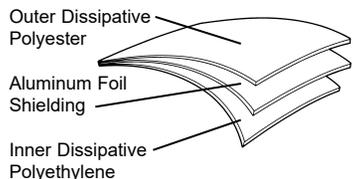
Statshield® and Statfree® are Registered Trademarks of Desco Industries Inc.  
See Bag Selection Chart Click [HERE](#).

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



**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.

## STATSHIELD® FOIL MOISTURE BARRIER BAG, 4.0MIL (0.10mm)

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**DRAWING  
NUMBER**  
13960

**DATE:**  
December  
2021

# DESCO