



## 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  
IPC/JEDEC J-STD-033C

**Electrical Properties**  
Surface Resistance  
(both exterior and interior)  
Discharge Shielding  
Static Shielding  
EMI Attenuation

**Physical Properties**  
Film Thickness  
Width (Inside Dimensions)  
Length (Inside Dimensions)  
Opening Offset  
Tensile Strength  
Puncture Resistance  
Seal Strength  
MVTR  
Silicone  
Marking Adhesion

### Typical Values

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

### Typical Values

Nominal 4.0mil (.10mm)  $\pm 10\%$   
Nominal -0" / + 1/4"  
Nominal +/- 1/8"  
0" to 1/4"  
13000 PSI  
>25 PSI (lbs)  
>12 PSI  
 $\leq 0.0003\text{g}/100\text{sq.in}/24\text{hours}$   
Not detected  
Pass

### Meets Requirements of:

ESD Protective Packaging  
Level 1 Technical Requirements  
Packaging of Moisture/Reflow Sensitive Methods

### Test Procedures/Method

ANSI/ESD STM11.11  
ANSI/ESD STM11.31  
EIA 541  
ANSI/ESD S541

### Test Procedures/Method

MIL-STD-3010, 1003  
  
ASTM D882  
MIL-STD-3010, 2065  
ASTM D882  
ASTM F1249  
FTIR  
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

[Dessicant](#) - 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](https://www.descoindustries.com/ROHS3.aspx)

### See the Desco Limited Warranty:

[Desco.DescoIndustries.com/Limited-Warranty.aspx](https://www.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 with globally sourced materials

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

## Statshield® Foil Shielding Moisture Barrier Bag, 4.0MIL (.10mm)

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13950

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