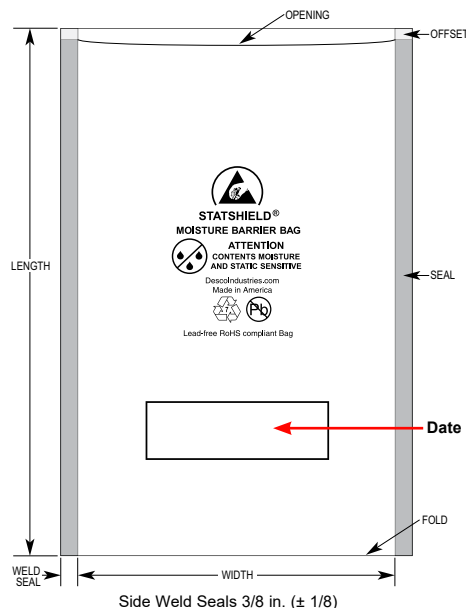
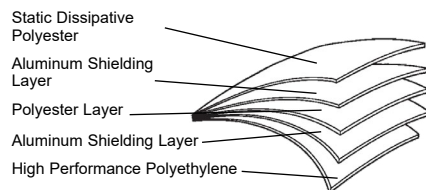


# STATSHIELD® STANDARD MOISTURE BARRIER BAG



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



**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.

## 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

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

-0.09 nC/sq. in.  
+0.10 nC/sq. in.

Nominal 3.5mil (.09mm)  $\pm 10\%$   
Nominal -0" / + 1/4"  
Nominal +/- 1/8",  
0" to 1/4"  
>20 lbs

>11 (lb/in width)  
>12 PSI  
 $\leq 0.02$  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

### 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:

[https://desco.descoindustries.com/pdf/Regulatory\\_Statements\\_Desco\\_Statshield\\_Bags.pdf](https://desco.descoindustries.com/pdf/Regulatory_Statements_Desco_Statshield_Bags.pdf)

### See the Desco Limited Warranty:

[Desco.DescoIndustries.com/Limited-Warranty.aspx](https://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® Standard, Moisture Barrier Bag, 3.5MIL (0.09mm)

# DESCO

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**DRAWING  
NUMBER**  
13806

**DATE:**  
September  
2021

# Mouser Electronics

Authorized Distributor

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