# OFFSET -SEAL Date & Lot Code Printed for QC Traceability

# \*\* Bags are printed (hot stamped or thermal transferred) with

## This bag contains MOISTURE-SENSITIVE DEVICES 1. Calculated shelf life in sealed bag: 12 months at < 40°C and 2. Peak package body temperature 3. After bag is opened, devices that will be subjected to reflow solder or other high temperature process must be a) Mounted within: hours of factory or black beautiful black see adjacent bar code label ≤ 30°C/80% RH, or b) Stored per J-STD-033 4. Devices require bake, before mounting, if: a) Humidity Indicator Card reads > 10% for level 2a - 5a devices or > 60% for level 2 devices when read at 23 ± 5°C b) 3a or 3b not met If baking is required, refer to IPC/JEDEC J-STD-033 for baking procedure

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 WITH IPC/JEDEC MOISTURE SENSITIVE CAUTION MARKINGS

Meets Requirements of:

**ESD Protective Packaging** 

Test Procedures/Method

ANSI/FSD STM11 11

ANSI/ESD STM11.31

Modified incline plane

Modified incline plane

MIL-STD-3010, 1003

MIL-STD-3010C, 2065

(Flex Testing per ASTM F392)

FTMS 101C. Method 3005

MIL-STD-3010. M3005

IPC-TM-650 2.4.1

ASTM D1876-93

ASTM F1249-90

ASTM D882

FTIR

FIA 541

All Moisture and ESD Properties for Level 1 Products

Packaging of Moisture/Reflow Sensitive Methods



### **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** 

 $1 \times 10^4 \text{ to} < 1 \times 10^{11} \text{ ohms}$ <10 n.J

20 volts -0.09 (nC/in<sup>2</sup>) +.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

 $\leq$ 0.0003/g/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

#### RoHS, REACH and Conflict Minerals, Statement

See the Desco Industries RoHS, REACH, and Conflict Minerals Statement: DescoIndustries.com/ROHS3.aspx

#### See the Desco Limited Warranty:

Desco.DescoIndustries.com/Limited-Warrantv.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.

United States of America with globally sourced

materials

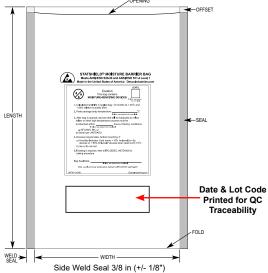
## STATSHIELD® FOIL MOISTURE BARRIER BAG, 4.0MIL (0.10mm)

DESCO WEST: 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: Desco.com PHONE (909) 627-8178

DESCO EAST: ONE COLGATE WAY, CANTON, MA 02021-1407 PHONE (781) 821-8370

**DRAWING NUMBER** 13960

DATE: December 2021



an ESD protective symbol and a lot code for traceability. \*\*

STATSHIELD® MOISTURE BARRIER BAG Meets ANSI/ESD S20.20 and ANSI/ESD S11.4 Level 1
Made in the United States of America Descondustries.com

Note: Level and body temperature defined by IPC/JEDEC J-STD-020

Bag Imprint

Outer Dissipative Polvester Aluminum Foil Shielding -Inner Dissipative Polyethylene

DESCO