



- Abrasion Resistant Coating
- Static Dissipative Polyester Layer
- Barrier Layer
- High Performance Static Dissipative Polyethylene Interior Layer

**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.



## Statshield® Foil (EMI/RFI) Moisture Barrier Bag



Meets the required limits of ANSI/ESD S20.20, Packaging standard ANSI/ESD S541, and Static Control Bag standard ANSI/ESD S11.4-2012 Level 1.

### Specifications:

#### Electrical Properties

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

#### Typical Values

< 1 x 10<sup>11</sup> ohms  
<10 nJ  
20 volts  
45 db

#### Test Procedures/Method

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

#### Physical Properties

Thickness  
Tensile Strength  
Puncture Resistance  
Seal Strength  
MVTR  
Silicone and Amine content

#### Typical Values

Nominal .0040" (.1016mm) ±10%  
13000 PSI  
>25 PSI (lbs)  
>12 PSI  
≤0.0003/g/100sq.in/24hours  
Not detected

#### Test Procedures/Method

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

#### Chemical Properties

Polycarbonate compatible: Contains no Amines, Amides, or N-Octanoic Acid.  
Bag is free of amines, N-octanoic acid, silicones and heavy metals.

#### 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 2 and REACH Compliance Statement

None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2013/06/20 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](#).

The bag's material meets the required limits of ANSI/ESD S541 per ANSI/ESD S20.20.

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

### Statshield® Foil Moisture Barrier ESD Bag, .0040" (.1016mm)

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  
13950

Date:  
November  
2013

# DESCO