



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



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 10¹¹ 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
≤0.0003g/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](#).



Made in the
United States of America

Specifications and procedures subject to change without notice.

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

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Drawing Number
13950

Date:
November
2013

DESCO