STATSHIELD® MOISTURE BARRIER BAG ATTENTION ATTENTION Describularinia.com Made in America Lead-free Roi-IS compilant Bag Weld Seal Width (W)

NOTE: The complete dry package concept of packaging for electronics requires three elements:

Moisture Barrier Bag - To Protect DESICCANT - To Absorb Moisture INDICATOR - To Monitor Performance

For detailed instructions ask for Technical Bulletin <u>PPE-5026.E</u> "Application Instructions for Moisture Barrier Bags."

DESICCANT PACK INFORMATION

Desiccant packs meet MIL-D-3464. Packs meet Type I and Type II criteria for dust-free packaging. RULE-OF-THUMB - use 1/2 unit for every 45 square inches of bag area.

90668 1 unit Pail of 300

HUMIDITY MONITOR INFORMATION

 $\underline{90669}$ Humidity Monitor. Can of 200, 40 x 120mm blotting paper cards that indicate 10, 20, 30 and 40% relative humidity with a color comparison bar. Meets MIL-I-8835.

"...it is important to take possible temperature exposure into account when shipping electronic parts. It is particularly important to consider what happens to the interior of a package if the environment has high humidity. If the temperature varies across the dew point of the established interior environment of the package, condensation may occur. The interior of a package should either contain desiccant or the air should be evacuated from the package during the sealing process. The package itself should have a low WVTR." (ESD Handbook TR20.20 section 5.4.3.2.2)

Statshield® bags are packaged 100 per package in an oversized shielding bag rather than a cardboard box. Therefore, our bags are not exposed to water vapors that will degrade the metallized shielding layer. Our bags have an additional layer of barrier protection because of our packaging.

Statshield® Foil (EMI/RFI) Moisture Barrier Bag

Description:

The Statshield® Moisture Barrier ESD Shielding Bag offers the best choice for packaging SMD tape and reel, quad flat pack/JEDEC trays, and component shipping tubes. They are an excellent choice for vacuum and/or nitrogen packaging applications. A solid aluminum foil middle layer and an inner high performance low charging polyethylene are used to provide both moisture protection and guard contents against triboelectric charging.

Specifications:

Electrical Properties	Typical Values	Test Procedures/Method
Surface Resistance		
(both surfaces @ 12%RH)	<10E12 ohms	ANSI/ESD STM11.11
Resistivity, conductive metal layer	<10E2 ohms	ANSI/ESD STM11.11
Static Shielding	<5 nJ	ANSI/ESD S11.31, Mil-PRF-81705D, EIA 541
EMI Attenuation	<45 db	Mil-PRF-81705D
Physical Properties	Typical Values	Test Procedures/Method
Thickness	Nominal .0040" (.1016mm) ±10%	ASTM D2103
Tensile Break	11,100 (MD, psi)	ASTM D882-91
Tensile Break	9,000 (TD, psi)	ASTM D882-91

Elmendorf Tear 90 (MD, grams/mil) **ASTM D1922 Flmendort Tear** 107 (TD, grams/mil) **ASTM D1922** Puncture Resistance >25 PSI (lbf) FTMS 101-C, Method 2065.1 Impact Strength >1.99 (ft-lbs) **ASTM D3420** Seal Strength >13.2 (lbs/1" strip) **ASTM F88-85 MVTR** < 0.0003 **ASTM 1249**

130 (MD. %)

50 (TD, %)

Chemical Properties

Elongation

Elongation

Polycarbonate compatible: Contains no Amines, Amides, or N-Octanoic Acid.

Film complies with the electrical and physical requirements of ANSI/ESD S20.20, EIA-541, EIA-583, JEDEC JESD625-A, JEDEC J-STD-003B, and Mil-PRF-81705D Type I. Bag is free of amines, amides, N-octanoic acid, and heavy metals. This material is used in commercial applications only. Statfree®, and Faraday® are Registered Trademarks of Desco Industries Inc.

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

Interior Laver

ASTM D882-91

ASTM D882-91

RoHS Compliance Statement

None of the following materials are intentionally added in manufacturing this product: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) as outlined in the Directive 2002/95/EC Article 4.1. See Desco Industries Inc. letter on-line at Charleswater.co.uk.





Specifications and procedures subject to change without notice.

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



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