

Side Weld Seal 3/8 in.

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 TB-2031 "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.

13850	1/2 unit	Pail of 550
13852	1 unit	Pail of 300

HUMIDITY MONITOR INFORMATION

13870 Humidity Monitor. Can of 100 2" x 3" blotting paper cards that indicate 10, 20, 30 and 40% relative humidity with a color comparison bar. Meets MIL-I-8835.

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 Desco.com.



STATSHIELD® STANDARD MOISTURE BARRIER BAG

Specifications:

Electrical Properties

Surface Resistance
(both surfaces @ 12%RH)
Resistance, conductive metal layer
Static Shielding
EMI Attenuation
Capacitive Probe Test
(high voltage discharge)
Charge Generation
Teflon
Quartz

Physical Properties

Thickness
Tensile Strength
Tensile Strength
Tear Strength
Tear Strength
Elongation
Elongation
Burst Strength
Puncture Strength
Heat Seal Strength
(Vetrod bar sealer)
Heat Seal Temperature
Light Transmission
WVTR
O₂TR

Outgassing
Contact Corrosion

Non-corrosive

Chemical Properties

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

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. **Shelf life of bags is minimum one year in normal indoor storage conditions.**

Film complies with the electrical and physical requirements of EIA-541, EIA-583, EIA-625, 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

Statshield®, Statfree®, and Faraday® are Registered Trademarks of Desco Industries Inc.

Typical Values

<10E11ohms
<10E2 ohms
<20 volts
<45 (dB between 1 and 10 GHz)

<20 volts

-0.09 (nC/in²)
+1.0 (nC/in²)
<10 nJ

Nominal .0035" (.0889mm) ±10%
9,000 (MD, psi)
10,500 (TD, psi)
4.7 (MD, lb)
4.3 (TD, lb)
98 (MD, %)
80 (TD, %)
>84 psi
>20 lbs

>11 (lb/in width)
325 (60 PSI @ 3 sec dwell) (°F)
<0.01(%)
≤0.02
<0.002

Pass
No evidence of corrosion,
pitting, or etching of material
Pass

Test Procedures/Method

ANSI/ESD S11.11
ASTM D257
ANSI/ESD S11.31, Mil-PRF-81705D, EIA 541
Mil-PRF-81705D

ANSI/EIA 541/Appendix E, 1kV Discharge

Modified incline plane
Modified incline plane

ASTM D2103
ASTM D882-91 Method A
ASTM D882-91 Method A
ASTM D1004-94, notched
ASTM D1004-94, notched
ASTM D882-91 Method A
ASTM D882-91 Method A
FTMS 101-C, Method 2007-1a
FTMS 101-C, Method 2065.1

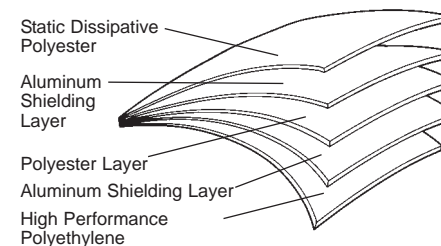
ASTM D1876-93

ASTM D1033-92
ASTM F1249-90
ASTM D3985 @ 100% Oxygen,
100 in²/24 hr, 77°F, 0%: 90% R.H.
ASTM E595
FTMS 101C, Method 3005

MIL-STD-3010, M3005



Made in America



STATSHIELD® STANDARD, MOISTURE BARRIER BAG, .0035" (.0889mm)

DESCO

DESCO WEST: 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: Desco.com
PHONE (909) 627-8178 FAX (909) 627-7449

DESCO EAST: 90 HUDSON RD, CANTON, MA 02021-1407
PHONE (781) 821-8370 FAX (781) 575-0172

**DRAWING
NUMBER**
13806

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