

STATSHIELD® HIGH PUNCTURE MOISTURE BARRIER BAG



Specifications:

Electrical Properties

Surface Resistivity
(both surfaces @ 12%RH)
<10E2 ohms
Resistivity, conductive metal layer
<10E2 ohms
Static Shielding
<25 nJ
EMI Attenuation
<45 (dB between 1 and 10 GHz)
Capacitive Probe Test
(high voltage discharge)
<8 volts
Charge Generation
Teflon
Quartz

Typical Values

<10E12 ohms
<10E2 ohms
<25 nJ
<45 (dB between 1 and 10 GHz)
<8 volts
-0.09 (nC/in²)
+0.10 (nC/in²)

Test Procedures/Method

ANSI/ESD S11.11
ASTM D257
ANSI/ESD S11.31, Mil-PRF-81705D, EIA 541
Mil-PRF-81705D
EIA Std 541/Appendix E, 1kV Discharge
Modified incline plane
Modified incline plane



Made in America

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
MVTR
OTR

Nominal .0065" (.1651mm) ±10%
7,930 (MD, psi)
6,888 (TD, psi)
5.85 (MD, lb)
6.78 (TD, lb)
98.5 (MD, %)
90.45 (TD, %)
>120 psi
>30 lbs
>11 (lb/in width)
325 (60 PSI @ 3 sec dwell) (°F)
<0.01(%)
≤0.005
≤0.0005

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.
FTMS 101C, Method 3005
MIL-STD-3010, M3005

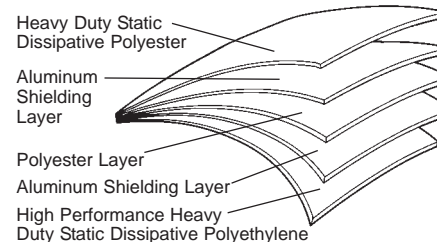
Contact Corrosion
Non-corrosive

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

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.**



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.

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 P-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.

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.

STATSHIELD® HIGH PUNCTURE, MOISTURE BARRIER BAG, .0065" (.1651mm)

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**DRAWING
NUMBER**
13760

DATE:
February
2009

DESCO