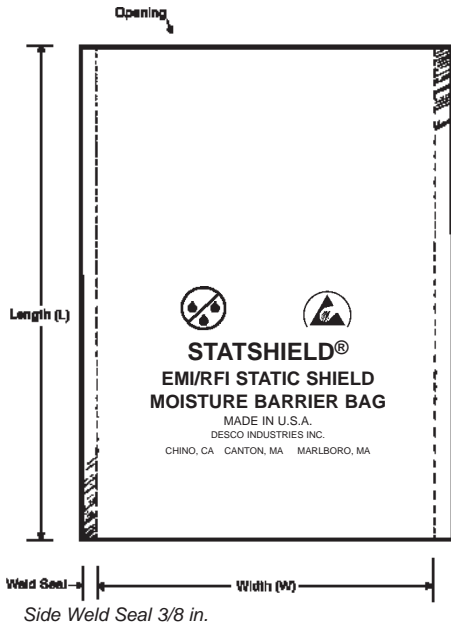


STATSHIELD® EMI/RFI MOISTURE BARRIER SHIELDING SERIES



Specifications:

Electrical Properties

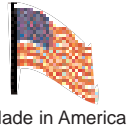
Surface Resistivity (both surfaces @ 12%RH, Ω /sq) $<10^{12}$
 Resistivity, conductive metal layer (Ω /sq) $<10^2$
 EMI Shielding (dB between 1 and 10 GHz) <45
 Capacitive Probe Test (high voltage discharge, V) <8
 Charge Generation
 Teflon (nC/in²) -0.09
 Quartz (nC/in²) +.10

Typical Values

$<10^{12}$
 $<10^2$
 <45
 <8
 -0.09
 +.10

Test Procedures/Method

EOS/ESD S11.11
 ASTM D257
 EOS/ESD S11.31
 EIA Std 541/Appendix E, 1kV Discharge
 Modified incline plane
 Modified incline plane



Physical Properties

Thickness (mils) 6.5
 Tensile Strength (MD, psi) 7,930
 Tensile Strength (TD, psi) 6,888
 Tear Strength (MD, lb) 5.85
 Tear Strength (TD, lb) 6.78
 Elongation (MD, %) 98.5
 Elongation (TD, %) 90.45
 Burst Strength (psi) >120
 Puncture Strength (lb) >30
 Heat Seal Strength (Vetrod bar sealer, lb/in width) >11
 Heat Seal Temperature (°F) 325 (60 PSI @ 3 sec dwell)
 Light Transmission (%) <0.01
 MVTR (gms / 100 in² / 24 hrs, 100°F) ≤ 0.005
 OTR ≤ 0.0005

6.5
 7,930
 6,888
 5.85
 6.78
 98.5
 90.45
 >120
 >30
 >11
 325 (60 PSI @ 3 sec dwell)
 <0.01
 ≤ 0.005
 ≤ 0.0005
 No evidence of corrosion, pitting, or etching of material Pass

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

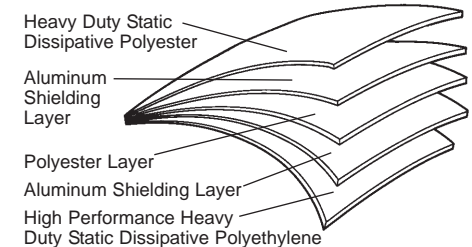
Contact Corrosion

Non-corrosive

Chemical Properties

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

Shelf life of bags is minimum one year in normal indoor storage conditions. Because we package all of our Statshield® bags in an oversized shielding bag rather than a cardboard box, our bags are not exposed to moisture that will degrade the metallized shielding layer. Our bags have an additional layer of barrier protection because of our packaging.



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

This material is used in commercial applications only

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

See reverse side for available sizes.

STATSHIELD® EMI/RFI, SHIELDING, MOISTURE BARRIER, 6.5 mil



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 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
 13760

DATE:
 02/06

| EMI/RFI STATIC SHIELDING BAG SIZES | | | | | |
|------------------------------------|------------|--------|------------|--------|------------|
| Item # | Size (WxL) | Item # | Size (WxL) | Item # | Size (WxL) |
| 13760 | 4" x 6" | 13764 | 10" x 12" | 13768 | 15" x 18" |
| 13761 | 5" x 8" | 13765 | 10" x 24" | 13769 | 18" x 18" |
| 13762 | 6" x 10" | 13766 | 10" x 30" | 13770 | 18" x 24" |
| 13763 | 8" x 10" | 13767 | 12" x 16" | | |
| Packaged 100 per package | | | | | |

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.