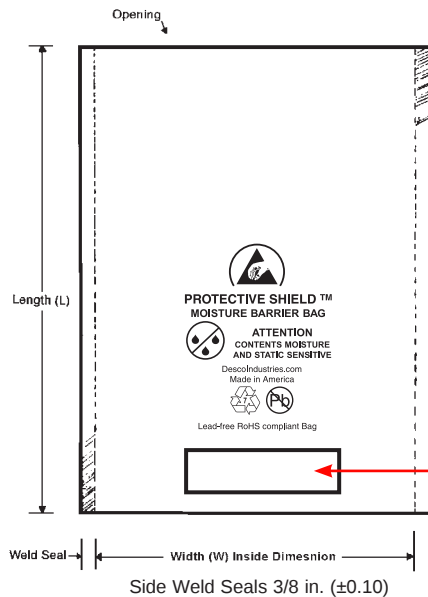


NOTE: The complete dry package concept of packaging for electronics requires three elements:

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.

[48880](#) 1/2 unit Pail of 550
[48888](#) 1 unit Pail of 300

HUMIDITY MONITOR INFORMATION

[48882](#) 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.



Protektive Shield™ ESD Shielding Moisture Barrier Bag



Description:

The Protektive Shield™ 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

Surface Resistance
(both surfaces @ 12%RH, ohms/sq)
Energy Penetration

Typical Values

>1 x 10E5 and <1 x 10E11
<5 nanojoules

Test Procedures/Method

ANSI/ESD STM11.11
ANSI/ESD STM11.31

Physical Properties

Thickness, nominal (mils)
Tensile
Puncture Resistance (lbf)
Impact Strength (ft-lbs)
Seal Strength (lbs/1" strip)
MVTR (gm/100 sq"/day)

Typical Values

4.0-4.2
9000 PSI
27.8
>1.99
>13.2
<0.0003

Test Procedures/Method

MIL-STD-3010, 1003
ASTM D882
MIL-STD-3010, 2065
ASTM D3420
ASTM F88-85
ASTM 1249

Heat Sealing Conditions: Temperature 375-475°F; Time-Dwell 0.56-3.5 sec; Pressure 40-80 psi

Bag is free of amines, N-octanoic acid, silicones and heavy metals.



Made in the
United States of America

RoHS and REACH Compliance Statement

None of the RoHS restricted materials or REACH substances of very high concern are intentionally added in manufacturing this product. Ref: Directive 2002/95/EC Article 4.1. and Regulation (EC) No. 1907/2006. See Desco Industries Inc. Limited Warranty at [ProtektivePak.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.

Item	Size (in.) W x L
48949	10 x 12
48950	10 x 20
48951	10 x 30
48952	12 x 20
48953	14 x 16
48954	16 x 18
48955	18 x 20

Packaged 100 per package

Specifications and procedures subject to change without notice.

PROTEKTIVE SHIELD™ ESD SHIELDING MOISTURE BARRIER BAG, 4 mil

PROTEKTIVE PAK

PROTEKTIVE PAK
13520 MONTE VISTA AVENUE, CHINO, CA 91710
PHONE (909) 627-2578, FAX (909) 363-7331
[ProtektivePak.com](#)

DRAWING NUMBER
48950

DATE:
October
2011