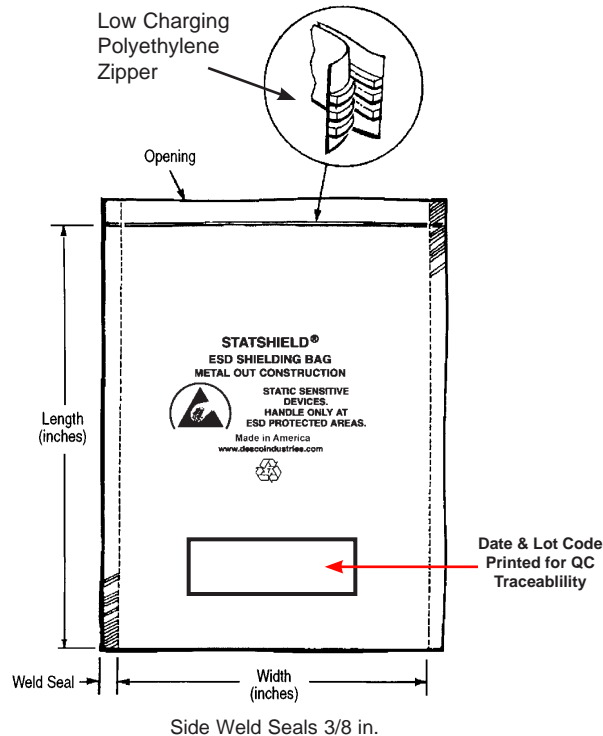


STATSHIELD® METAL-OUT SERIES

Meets the required limits of ANSI/ESD S20.20, Packaging standard ANSI/ESD S541, and Static Control Bag standard ANSI/ESD S11.4-2012 Level 3.



Specifications:

Electrical Properties

Surface Resistance:

Outer Surface

Inner Surface

Static Shielding

Charge Generation (nC/in²)

Capacitance Probe (to dissipate 1 KV)

Typical Values

< 1 x 10⁸ ohms

< 1 x 10¹¹ ohms

<20 nJ

Teflon: -0.03

Quartz: +0.10

<30V

Test Procedures/Method

ANSI/ESD STM11.11

ANSI/ESD STM11.11

ANSI/ESD STM11.31

Modified Incline Plane

Modified Incline Plane

EIA 541

Physical Properties

Bag Thickness:

Polyester Layer

Aluminum Layer

Polyethylene Layer

Total Thickness

Light Transmission (%)

Heat Seal (lbs/in)

Tensile

Puncture Resistance (lbs)

MVTR (gms / 100 in² / 24 hrs, 100°F)

Outgassing

Non-corrosive

0.5 Mils Static Dissipative PET film

10-25 Angstroms

2.5 Mils Static Dissipative PE film

3.0 to 3.1 Mils

>40% (Tobias)

>10

9000 PSI

>10

0.40

Pass

Pass

ASTM D-2103

ASTM D-2103

MIL-STD-3010, 1003

ASTM D-1003

375°F, 1/2 sec 60 psi

ASTM D882

MIL-STD-3010, 2065

FTMS 101C/2065

ASTM E595

MIL-STD-3010, M3005

Chemical Properties

Corrosion

No effect on aluminum, copper, silver, Sn-Pb coated foil, stainless steel, low carbon steel

Polycarbonate Capability,

Yes

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

ANSI/ESD S541 Section 6.2 Outside an EPA

"Transportation of sensitive products outside of an EPA shall require packaging that provides:

1. Low charge generation
2. Dissipative or conductive materials for intimate contact
3. A structure that provides electrostatic discharge shielding."

RoHS 2 and REACH Statement

None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2012/12/19 are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See Protektive Pak's [Limited Warranty ProtektivePak.com](http://LimitedWarrantyProtektivePak.com).

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

Specifications and procedures subject to change without notice.



Made in the
United States of America

Mixed Unsortable Plastic Scrap

Mixed unsortable plastic scrap shall contain assorted plastics of multiple grades that are co-extruded, bonded or laminated together which are unsortable into individual grades.

Protektive Pak's bags are recyclable



Statshield® bags are packaged 100 per package in an oversized shielding bag.
See Shielding Bag Storage at TB-7057.

STATSHIELD® BAG, SHIELDING, METAL-OUT, ZIPPER

PROTEKTIVE PAK

13520 MONTE VISTA AVENUE, CHINO, CA 91710

PHONE (909) 627-2578

ProtektivePak.com

DRAWING NUMBER

48770

DATE:

October

2013

PROTEKTIVE PAK