

STATSHIELD® METAL-IN 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

Discharge Shielding

Charge Generation

Capacitance Probe (to dissipate 1 KV)

Typical Values

1×10^4 to $< 1 \times 10^{11}$ ohms

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< 20 nJ

Teflon: 0.09 nC/sq. in.

Quartz: 0.01 nC/sq. in.

$< 30V$

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:

Thickness

Width (Inside Dimensions)

Length (Inside Dimensions)

Light Transmission (%)

Heat Seal (lbs/in)

Tensile

Puncture Resistance (lbs)

Outgassing

Non-corrosive

Nominal .0030" (.0762mm) $\pm 10\%$

Nominal -0" / + .125"

Nominal $\pm .125$ "

$> 40\%$ (Tobias)

> 10

9000 PSI

> 10

Pass

Pass

MIL-STD-3010, 1003

ASTM D-1003

375°F, 1/2 sec 60 psi

ASTM D882

MIL-STD-3010, 2065

ASTM E595

MIL-STD-3010, M3005

Chemical Properties

Corrosion

Polycarbonate Capability,

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

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

Yes

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://www.protektivepak.com).



*Made in the United States of America

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Specifications and procedures subject to change without notice.

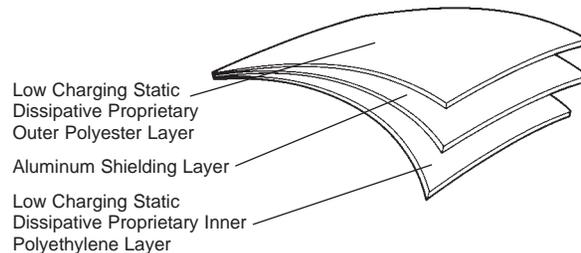
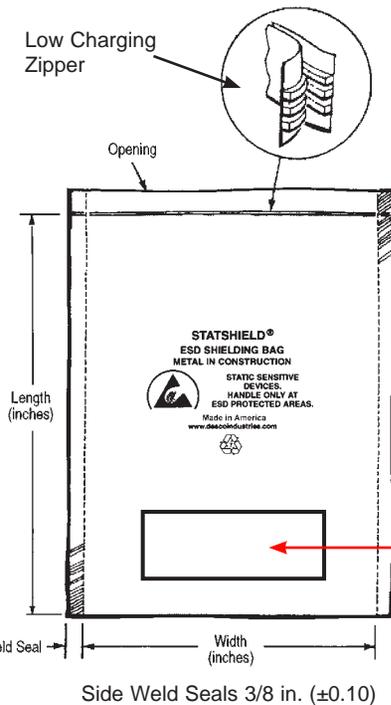
*Film made in USA or Malaysia

STATSHIELD® BAG, SHIELDING, METAL-IN, ZIPPER

PROTEKTIVE PAK
13520 MONTE VISTA AVENUE, CHINO, CA 91710
PHONE (909) 627-2578
ProtektivePak.com

DRAWING NUMBER
48720

DATE:
October
2013



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.

PROTEKTIVE PAK