

Side Weld Seals 3/8 in.

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.

Ideally, ESD bags should be stored in a dry, well ventilated room with a reasonably consistent temperature of 68°F (20°C) and be protected from exposure to direct sunlight. Ideally, ESD bags should not be stored in ultraviolet sunlight, moisture, or heat.

The user shall determine the suitability of the product for their intended use. Vermason's only obligation shall be to replace such quantity of the product proved to be defective. See full Limited Warranty information at Vermason.co.uk.

What does EN 61340-5-1 and -2 say about ESD Bags? [Click Here.](#)

ESD Bags are Reusable. [Read more Here.](#)

Specifications:

Electrical Properties

Surface Resistance:

- Outer Surface <10E11 ohms
- Aluminum Layer <10E2 ohms
- Inner Surface <10E11 ohms

Static Shielding <25 nJ

Charge Generation PTFE: 0.09 nC/sq. in.

Quartz: 0.01 nC/sq. in. <30V

Capacitance Probe (to dissipate 1 KV) <30V

Physical Properties

Bag Thickness:

- Polyester Layer 0.5 Mils Static Dissipative PET film
- Aluminum Layer 10-25 Angstroms
- Polyethylene Layer 2.5 Mils Static Dissipative PE film
- Total Thickness 2.8 to 3.0 Mils

Light Transmission (%) >40% (Tobias)

Burst Strength (psi) >50

Heat Seal (lbs/in) >10

Seam Strength Pass

Tear Strength (lbs) >25

Puncture Resistance (lbs) >10

MVTR (gms / 100 in² / 24 hrs, 100°F) <0.40

OTR (cc / 100 in² / 24 hrs) <6.1

Abrasion Resistance >100 cycles

Outgassing Pass

Non-corrosive Pass

Chemical Properties

Corrosion

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

Polycarbonate Capability, Yes

No Amines or N-Octanoic Acid Not present



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.

Vermason's bags are recyclable

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 Vermason.co.uk

STATSHIELD® M/I SERIES

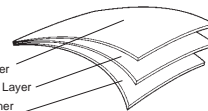
Typical Values

Test Procedures/Method

- ANSI/ESD STM11.11
- ANSI/ESD STM11.11
- ANSI/ESD STM11.11
- ANSI/ESD STM11.11
- ANSI/ESD STM11.31
- Modified Incline Plane
- Modified Incline Plane
- MIL-PRF-81705D, EIA 541

METAL IN BAG SIZES	
Item #	Size (WxL)
201500	75mm x 125mm
201510	100mm x 150mm
201515	125mm x 200mm
201520	150mm x 200mm
201525	150mm x 255mm
201530	200mm x 255mm
201535	200mm x 305mm
201540	255mm x 305mm
201545	255mm x 355mm
201550	305mm x 405mm
201555	455mm x 455mm
201560	505mm x 505mm
Packaged 100 per package	

Static Dissipative
Outer Polyester Layer
Aluminum Shielding Layer
Static Dissipative Inner
Polyethylene Layer



The bag's material meets the performance specification requirements of Mil-PRF-81705D, Type III. Bag is free of amines, N-octanoic acid, and heavy metals.

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STATSHIELD® BAG, SHIELDING, METAL IN CONSTRUCTION, ZIPPER

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Drawing Number
201500

DATE:
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