

STATSHIELD® M/I SERIES

Specifications:

Electrical Properties

Surface Resistance:
 Outer Surface
 Aluminum Layer
 Inner Surface
 Static Shielding
 Charge Generation

Typical Values

<10E11 ohms
 <10E2 ohms
 <10E11 ohms
 <25 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 STM11.11
 ANSI/ESD STM11.31
 Modified Incline Plane
 Modified Incline Plane
 MIL-PRF-81705D, EIA 541

Physical Properties

Bag Thickness:

Polyester Layer
 Aluminum Layer
 Polyethylene Layer
 Total Thickness

0.5 Mils Static Dissipative PET film
 10-25 Angstroms
 2.5 Mils Static Dissipative PE film
 2.8 to 3.0 Mils
 >40% (Tobias)

ASTM D-2103

Light Transmission (%)

>50

ASTM D-2103

Burst Strength (psi)

>10

ASTM D-2103

Heat Seal (lbs/in)

Pass

ASTM D-1003

Seam Strength

>25

FTMS 101K, Method 2065.1

Tear Strength (lbs)

>10

375°F, 1/2 sec 60 psi

Puncture Resistance (lbs)

<0.40

MIL-PRF-81705D

MVTR (gms / 100 in² / 24 hrs, 100°F)

<6.1

ASTM D-1004

OTR (cc / 100 in² / 24 hrs)

>100 cycles

ASTM D-2065

Abrasion Resistance

Pass

FTMS 101C/2065

Outgassing

Pass

Sutherland Abr. (.0000 Steel Wool)

Non-corrosive

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

No Amines or N-Octanoic Acid

Not present

METAL IN BAG SIZES	
Item #	Size (WxL)
201015	75mm x 125mm
201025	100mm x 150mm
201050	125mm x 200mm
201065	150mm x 200mm
201070	150mm x 255mm
201105	200mm x 255mm
201110	200mm x 305mm
201115	200mm x 405mm
201120	255mm x 305mm
201130	255mm x 355mm
201140	305mm x 355mm
201145	305mm x 405mm
201150	305mm x 455mm
201160	355mm x 455mm
201165	405mm x 455mm
201175	405mm x 610mm
201180	455mm x 455mm
201190	455mm x 610mm
201210	610mm x 760mm
Packaged 100 per package	

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.](#)



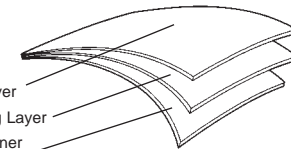
Mixed Unsortable Plastic Scrap

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

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



Made in America

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.

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



Vermason

STATSHIELD® BAG, SHIELDING, METAL IN CONSTRUCTION

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 201000

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