

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

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.

## STATSHIELD® M/I SERIES

#### **Electrical Properties Typical Values** Surface Resistance:

Outer Surface <10F11 ohms ANSI/FSD STM11.11 Aluminum Laver <10E2 ohms ANSI/ESD STM11.11 Inner Surface <10F11 ohms ANSI/ESD STM11.11 Static Shielding ANSI/ESD STM11.31 <25 nJ Charge Generation PTFE: 0.09 nC/sq. in. Modified Incline Plane Quartz: 0.01 nC/sq. in. Modified Incline Plane MIL-PRF-81705D. EIA 541

Capacitance Probe (to dissipate 1 KV)

MVTR (gms / 100 in<sup>2</sup> / 24 hrs, 100°F)

### **Physical Properties**

Specifications:

Bag Thickness: Polvester Laver 0.5 Mils Static Dissipative PET film **ASTM D-2103** Aluminum Laver 10-25 Anastroms 2.5 Mils Static Dissipative PE film Polvethylene Laver **ASTM D-2103** Total Thickness 2.8 to 3.0 Mils ASTM D-2103 Light Transmission (%) >40% (Tobias) **ASTM D-1003** Burst Strength (psi) >50 FTMS 101K. Method 2065.1 375°F, 1/2 sec 60 psi Heat Seal (lbs/in) >10 Seam Strength Pass MIL-PRF-81705D Tear Strength (lbs) **ASTM D-1004** >25 Puncture Resistance (lbs) >10 **ASTM D-2065** 

OTR (cc / 100 in<sup>2</sup> / 24 hrs) <6.1 ASTM D-1434 Abrasion Resistance >100 cvcles Sutherland Abr. (.0000 Steel Wool)

Outgassing Pass ASTM E595 Non-corrosive MIL-STD-3010, M3005 Pass

### **Chemical Properties**

Corrosion No effect on aluminum, copper, silver, Sn-Pb coated foil,

< 0.40

stainless steel, low carbon steel

Polycarbonate Capability,

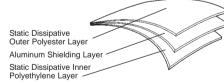
No Amines or N-Octanoic Acid Not present

# 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



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



**METAL IN BAG SIZES** 

Size (WxL)

75mm x 125mm

100mm x 150mm

125mm x 200mm

150mm x 200mm

150mm x 255mm

200mm x 255mm

200mm x 305mm

255mm x 305mm

255mm x 355mm

305mm x 405mm

455mm x 455mm

505mm x 505mm

Packaged 100 per package

Item #

201500

201510

201515

201520

201525

201530

201535

201540

201545

201550

201555

201560





Test Procedures/Method

FTMS 101C/2065



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Industries Inc.

**Drawing Number** 201500

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