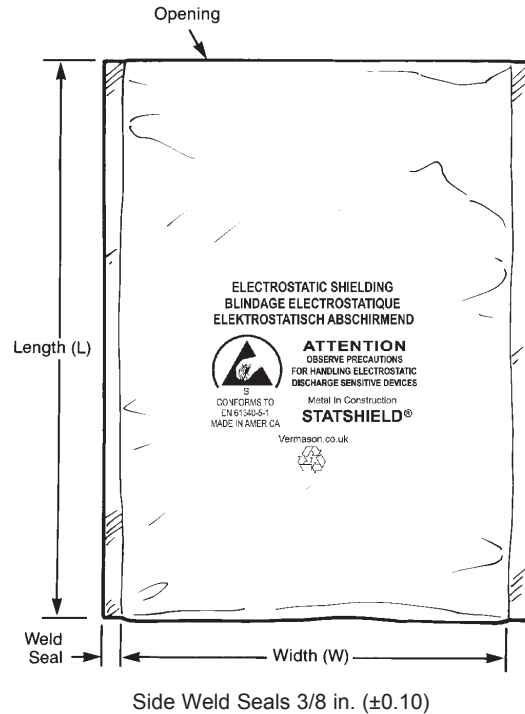


STATSHIELD® METAL-IN SERIES



Specifications:

Electrical Properties

Surface Resistance:
 Outer Surface <10E11 ohms
 Aluminum Layer <10E2 ohms
 Inner Surface <10E11 ohms
 Static Shielding <25 nJ
 Charge Generation Teflon: 0.09 nC/sq. in.
 Quartz: 0.01 nC/sq. in.
 Capacitance Probe (to dissipate 1 KV) <30V

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

EN61340-5-1 Test Method A.4
 EN61340-5-1 Test Method A.4
 EN61340-5-1 Test Method A.4
 EN61340-5-1 Test Method A.7
 Modified Incline Plane
 Modified Incline Plane
 MIL-PRF-81705D, EIA 541

Physical Properties

Bag Thickness: Nominal .0030" (.0762mm) ±10%
 Width (Inside Dimensions) Nominal -0" / + .125"
 Length (Inside Dimensions) Nominal ± .125"
 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
 Abrasion Resistance >100 cycles
 Outgassing Pass
 Non-corrosive Pass

Nominal .0030" (.0762mm) ±10%
 Nominal -0" / + .125"
 Nominal ± .125"
 >40% (Tobias)
 >50
 >10
 Pass
 >25
 >10
 <0.40
 >100 cycles
 Pass
 Pass

ASTM D-2103
 ASTM D-1003
 FTMS 101K, Method 2065.1
 375°F, 1/2 sec 60 psi
 MIL-PRF-81705D
 ASTM D-1004
 ASTM D-2065
 FTMS 101C/2065
 Sutherland Abr. (.0000 Steel Wool)
 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

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 Charleswater.co.uk

A fundamental ESD control principle (see IEC 61340-5): ESD susceptible items should be transported and stored outside an Electrostatic protected Area enclosed in low charging, static shielding protective packaging.

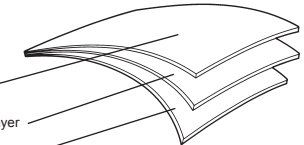


Mixed Unsortable Plastic Scrap

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.

Charleswater's bags are recyclable

Low Charging Static Dissipative Propriety Outer Polyester Layer
 Aluminum Shielding Layer
 Low Charging 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. Statshield®, Statfree®, and Faraday® are Registered Trademarks of Desco Industries Inc.

Statshield® Bag, Shielding, Metal-In Construction

CHARLESWATER LTD.
 UNIT 17. MILLBROOK BUSINESS PARK, SYBRON WAY
 CROWBOROUGH, EAST SUSSEX TN6 3JZ UNITED KINGDOM
 PHONE: 00 44 (0) 1892-665313, FAX: 00 44 (0) 1892-668838
 INTERNET: www.Charleswater.co.uk

Drawing Number
90500.E

DATE:
June 2009