



Bags made in USA and UK.
Film made in USA and Malaysia.

CHARLESWATER BAG SELECTION CHART

PRODUCT DETAILS	Surface Resistance: Exterior (per IEC 61340-2-3)	Surface Resistance: Interior (per IEC 61340-2-3)	ANSI/ESD S11.4 Level	Discharge Shielding Energy Test (per IEC 61340-4-8)	Thickness: Typical Value Nominal: ±10% (MIL-STD-3010 METHOD 1003)	Puncture - Average (per MIL-STD 3010 2065)	Moisture barrier MVTR (per ASTM F1249)	Non-corrosive (per FTMS 101C/4046)	Silicone (ASTM E168)	Heat Sealing Conditions: (Temperature) (Time/Dwell) (Pressure)
Statshield® Standard Metal-In Bag	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	Level 3	< 20 nJ	76.2 micron	> 10 lbs	N/A	Pass	Not Detected	250-375°F 0.5-3.5 sec 60-70 psi
Statshield® Standard Metal-Out Bag	< 1 x 10 ⁸ ohms	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	Level 3	< 25 nJ	76.2 micron	> 10 lbs	N/A	Pass	Not Detected	250-375°F 0.5-3.5 sec 60-70 psi
Statshield® Standard MBB Bag	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	Level 2	< 10 nJ	88.9 micron	> 20 lbs	≤ 0.02 (gms/100 in ² /24 hrs, 100°F)	Pass	Not Detected	250-375°F 0.5-3.5 sec 60-70 psi
Static Shielding Bubble Bag	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	Level 3**	< 50 nJ	Polyester 13 micron Antistatic PE 60 micron	> 25 lbs	< 0.2 (gms/100 in ² /24 hrs, 100°F)	Pass	Not Detected	250-375°F 0.5-3.5 sec 60-70 psi
Antistatic Pink Bubble Bags	1 x 10 ¹⁰ to < 1 x 10 ¹² ohms	1 x 10 ¹⁰ to < 1 x 10 ¹² ohms	Level 5***	N/A	50 micron~55 gm 10000 micron (Bubble diameter) 4500 micron (Bubble height)		N/A	Pass	Not Detected	250-375°F 0.5-3.5 sec 60-70 psi
Pink Poly Bags	1 x 10 ¹⁰ to < 1 x 10 ¹¹ ohms	1 x 10 ¹⁰ to < 1 x 10 ¹¹ ohms	Level 5	N/A	70 micron	> 30 lbs	> 0.8 gr/m ² 24 hr at 50% rH & 20°C	Pass	Not Detected	250-375°F 0.5-3.5 sec 60-70 psi
Black Conductive Bags	1 x 10 ² to < 1 x 10 ⁵ ohms	1 x 10 ² to < 1 x 10 ⁵ ohms	Level 4	N/A	71 micron		N/A	Pass	Not Detected	250-375°F 0.5-3.5 sec 60-70 psi
1000 Series Metal-In Static Shielding*	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	Level 3	< 10 nJ	71 micron	12 lbs	N/A	Pass	Not Detected	300-375°F 0.5-3.5 sec 30-70 psi
1500 Series Metal-Out Static Shielding*	1 x 10 ⁴ to < 1 x 10 ⁶ ohms	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	Level 3	< 10 nJ	76.2 micron	10 lbs	N/A	Pass	Not Detected	300-375°F 0.5-3.5 sec 30-70 psi
Dri-Shield® 2000 Series*	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	Level 3****	< 10 nJ	91.4 micron	20 lbs	≤0.035 (gms/100 in ² /24 hrs, 100°F)	Pass	Not Detected	300-400°F 0.6-4.5 sec 30-70 psi
Dri-Shield® 2700 Series*	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	Level 3****	< 10 nJ	177.8 micron	30 lbs	≤0.030 (gms/100 in ² /24 hrs, 100°F)	Pass	Not Detected	400°F 0.6-4.5 sec 30-70 psi
Dri-Shield® 3000 Series*	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	Level 1	< 10 nJ	152.4 micron	16 lbs	≤0.0003 (gms/100 in ² /24 hrs, 100°F)	Pass	Not Detected	400°F 0.6-4.5 sec 30-70 psi
Dri-Shield® 3400 Series*	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	1 x 10 ⁴ to < 1 x 10 ¹¹ ohms	Level 1	< 10 nJ	101.6 micron	20 lbs	≤0.0003 (gms/100 in ² /24 hrs, 100°F)	Pass	Not Detected	400°F 0.6-4.5 sec 30-70 psi

RoHS 2, REACH and Conflict Minerals Statement

None of the RoHS 2 restricted materials, or REACH substances of very high concern as of 2015/12/17, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Directive 2011/65/EC Article 4.1. and Regulation (EC) No. 1907/2006/CE. See Charleswater's [Limited Warranty at Charleswater.co.uk](#)



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

- For custom bags with special features including sizes and printing, click [HERE](#).
- See Shielding Bag Storage at [TB-7057](#).

Standards: Meets the requirements of EN 61340-5-1, Packaging Standard EN 61340-5-3, and Static Control Bag ANSI/ESD S11.4 tested per IEC 61340-2-3 and IEC 61340-4-8.

* Does not meet the EN 61340-5-3 marking requirement.

** Does not meet the S11.4 Level 3 Discharge Shielding required limit <20nJ and Transparency requirement of 30 to 50.

*** Does not meet the S11.4 Level 5 Resistance 1x10⁴ to <1x10¹¹ ohm requirement and Transparency requirement of 70 to 100.

**** Does not meet the S11.4 Level 3 Transparency requirement of 30 to 50.