

- Metallised shielding bags provide excellent protection for static-sensitive PCBs.
- Contents are protected against ESD outside protect areas.
- Semi-transparent so that contents can be identified without opening.



Buried Metal Shielding Bags

Bags are manufactured from tough polyester film with a conductive metallised middle layer and a low charging polyethylene inner layer. All bags are printed with a standard warning symbol and warning caption, together with traceable manufacturing batch code. Wide high strength heat-sealed side seams maintain bag integrity. Available in plain opening and resealable versions.

TECHNICAL SPECIFICATION

Surface Resistance:

| | | |
|---------------------|---------------------|----------------|
| Outer layer: | <10 ¹¹ Ω | EOS/ESD S11.11 |
| Metallised layer | <10 ² Ω | EOS/ESD S11.11 |
| Inner layer: | <10 ¹¹ Ω | EOS/ESD S11.11 |
| Static Shielding: | <25nJ | EOS/ESD S11.11 |
| Light transmission: | >40% | |
| Overall Thickness: | 80µm | |



Metal Out Shielding Bags

Bags are manufactured from tough polyester film with a conductive metallised outer layer protected by an anti-abrasion lacquer and a low charging polyethylene inner layer. All bags are printed with a standard warning symbol and warning caption, together with traceable manufacturing batch code. Wide high strength heat-sealed side seams maintain bag integrity. Available in plain opening and resealable versions.

TECHNICAL SPECIFICATION

Surface Resistance:

| | | |
|---------------------|---------------------|----------------|
| Lacquer layer: | <10 ⁶ Ω | EOS/ESD S11.11 |
| Metallised layer | <10 ² Ω | EOS/ESD S11.11 |
| Inner layer: | <10 ¹¹ Ω | EOS/ESD S11.11 |
| Static Shielding: | <25nJ | EOS/ESD S11.11 |
| Light transmission: | >40% | |
| Overall Thickness: | 80µm | |



Buried Metal Moisture Barrier Bags

Bags are manufactured from tough polyester film with a conductive metallised outer layer protected by an anti-abrasion lacquer and a low charging polyethylene inner layer. All bags are printed with a standard warning symbol and warning caption, together with traceable manufacturing batch code. Wide high strength heat-sealed side seams maintain bag integrity.

TECHNICAL SPECIFICATION

Surface Resistance:

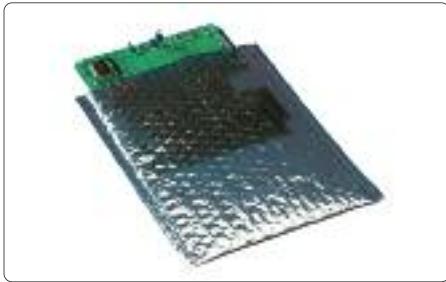
| | | |
|--------------------|---------------------|----------------|
| Outer layer: | <10 ¹¹ Ω | EOS/ESD S11.11 |
| Metallised layer | <10 ² Ω | EOS/ESD S11.11 |
| Inner layer: | <10 ¹² Ω | EOS/ESD S11.11 |
| Static Shielding: | <20nJ | EOS/ESD S11.11 |
| Overall Thickness: | 92µm | |
| Moisture Barrier: | 0.002 grams | ASTM f1249-90. |

PLEASE REFER TO THE SSE PRICE LIST OR WEBSITE FOR A FULL LIST OF SIZES FOR THE ABOVE PRODUCTS

All the bags on this page are supplied in sealed packs of 100.

Shielding Bubble Bags and Roll Film

Manufactured from metallised shielding film laminated to antistatic polyethylene bubble film and amine free antistatic inner lining. Provides mechanical and shielding protection in one package. Each bag has a fold-over lip for sealing. Supplied in packs of 10 or as 100m rolls of sheet.



TECHNICAL SPECIFICATION

Rs (inside and outside surface) <math> < 5 \times 10^{11} \Omega </math>
 Discharge: <math> < 2 \text{ sec } 1000 \text{ to } 100\text{V} </math> at 50% RH
 Thickness: 70µm heat sealable.

Pink Low-Charging Bags

Manufactured from low-charging polyethylene, which contains additives to prevent charge generation. Available in standard or resealable versions. Ideal for holding non-esd sensitive items within the EPA.

Supplied in packs of 100.

NOTE: These bags do not have shielding properties.



TECHNICAL SPECIFICATION

Rs <math> < 1 \times 10^5 \Omega </math>
 Discharge: <math> < 1 \text{ sec } 1000 \text{ to } 100\text{V} </math>

Conductive Black Bags

Manufactured from conductive polyethylene, these bags are suitable for packaging of PCBs that do not contain on-board batteries. Conductive bags are not a true shielding bag and use should be restricted to ESD Protected Areas or as proximity packaging within a shielding outer. Supplied in packs of 100.



TECHNICAL SPECIFICATION

Rs <math> < 1 \times 10^{11} \Omega </math>
 Discharge: <math> < 2 \text{ sec } 1000 \text{ to } 100\text{V} </math>
 Shelf Life > 1 year
 Thickness: 70µm heat sealable.

PLEASE REFER TO THE SSE PRICE LIST OR WEBSITE FOR A FULL LIST OF SIZES FOR THE ABOVE PRODUCTS

Desiccant Sachets and Moisture IndicatorCards

Used inside Moisture Barrier Bags to maintain low humidity conditions and indicate seal failure or puncture.



| Unit and Size | Per Can/Pack | Order Code |
|--|--------------|------------|
| ½ unit Desiccant Sachet 38 x 80mm | 700 | CW-90666 |
| 1 unit Desiccant Sachet 80 x 100mm | 500 | CW-90667 |
| Humidity Indicator Card 51 x 76mm 5/10/15% | 125 | CW-90664 |
| JEDEC J-STD-033A | | |
| Humidity Indicator Card 51 x 76mm 5/10/60% | 125 | CW-90665 |
| JEDEC J-STD-033B | | |

Pink Antistatic Bubble Wrap

Anti-static bubble wrap provides excellent cushioning properties when used as a secondary packaging material.



| Description | Order Code |
|-------------------------|------------|
| 100m long x 1500mm wide | PBP-1015 |

TECHNICAL SPECIFICATION

Roll length: 100m
 Roll width: 1500mm
 Bubble size: 9.5mm diam.

Refuse Bags

Manufactured from low charging polyethylene in three colours for waste segregation. In packs of 100



| Description | Order Code |
|--|-------------------|
| 110 litre (990 x 460diam.) | ABL-9946 |
| 50 litre (700 x 420diam.) | ABL-7042 |
| 30 litre(700 x 280diam.) | ABL-7028 |
| (add -B, -R, -G to order code for colour required) | |
| Size | Colours available |
| 110 litre | Blue/Red/green |
| 50 litre | Blue/Red |
| 30 litre | Blue |

Antistatic Cellulose Tape

Available in clear film or printed with ESD symbols. Ideal for bag sealing and DIP tube packing. Tape core 76.2mm or 25.4mm.

**Antistatic Shielding Tape**

Printed with a conductive grid to provide shielding performance for critical closure applications. Base film and adhesive are low charging (antistatic).

**Antistatic Polyimide High Temperature Tape**

Used for PCB connector masking in wave solder and reflow ovens. Maximum temperature: 300°C for 10sec.

**Antistatic High Temperature Tape**

Used for PCB connector masking, the tape is waterproof and low charging. Maximum temperature: 145°C for 45min.

**Tape Dispensers**

Groundable chassis tape dispensers for use with all the tapes illustrated.

**Width Capacity (mm)**

48

Order Code

CW-71136

Packaging Tape

These tapes are printed with a standard warning and triangle symbol to advise that contents are static sensitive.

**Description**

Standard Grade This tape is a PVC based product, only for use on secondary packaging outside an ESD protected area.

66m x 50mm wide

Order Code

PTS-6605

Anti-Static Grade This tape uses a special paper based material which is non-tribocharging and can be used on proximity packaging within an ESD protected area.

66m x 50mm wide

PTA-6605

ESD-Safe Paper Labels

Supplied on rolls of 500.

Label Size (mm)

46 x 64 Contents...

Order Code

SWL-4664



PLEASE REFER TO THE SSE PRICE LIST OR WEBSITE FOR A FULL LIST OF SIZES

Packaging Labels

A range of self-adhesive paper warning labels for bags, containers and other packaging to provide obvious identification of static sensitive devices and assemblies.

Supplied in rolls of 1000.

Label Size (mm)

12 x 20

19 x 39

25 x 52

36 x 76

Order Code

SWL-1220

SWL-1939

SWL-2552

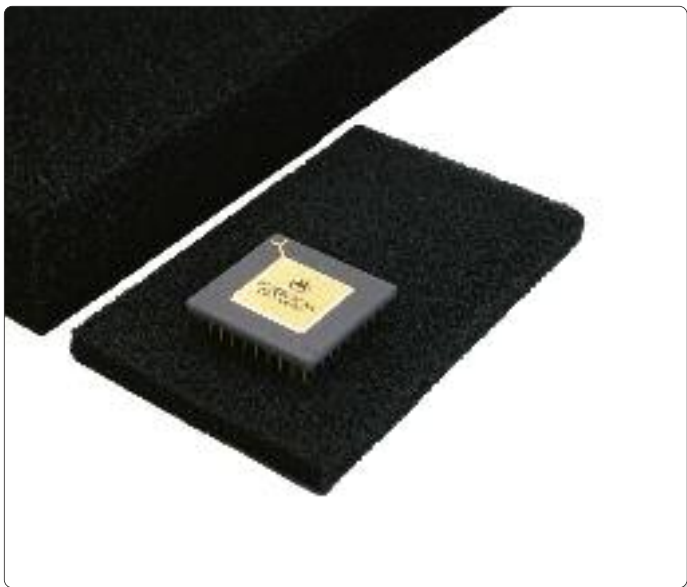
SWL-3676



Conductive Foam

These foams meet the resistivity and non-corrosivity requirements of MOD specification TS 10218. Both grades of foam are available cut to size - please ask for a quotation.

| Thickness (mm) | Order Code |
|---|------------|
| Low Density packs of 4 - 500 x 500mm sheets. Suitable for transit packaging and cushioning. | |
| 6 | CFL-06 |
| 10 | CFL-10 |
| 12 | CFL-12 |
| 15 | CFL-15 |
| 20 | CFL-20 |
| 25 | CFL-25 |
| High Density packs of 9 - 305 x 305mm sheets. Suitable for protection of individual components, allowing lead shorting by insertion into the material. | |
| 6 | CFH-06 |
| 10 | CFH-10 |
| 15 | CFH-15 |
| 25 | CFH-25 |



Machined Foam Inserts

Where a high level of mechanical protection is required for expensive complex assemblies, conductive machined foam provides an excellent solution. The material is a conductive EVA foam, in a range of densities. A modest charge for programming is made and, to save costs, prototypes are normally machined from non-conductive foam for dimensional checking. WEZ containers and lids provide an effective outer case for transport and storage.

For details of the range of WEZ conductive containers refer to page 66.

