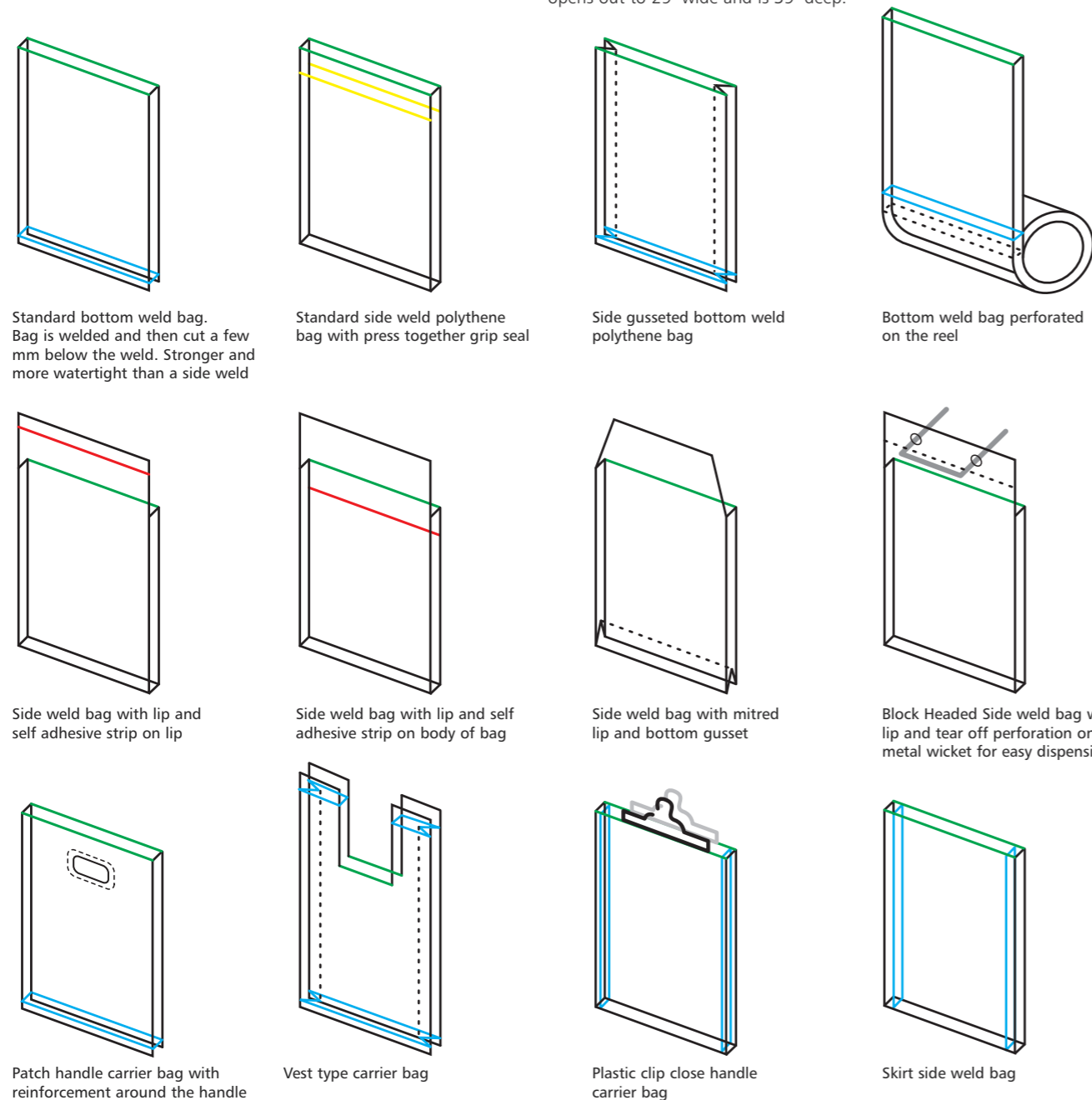


Polythene Bag Varieties

Key to illustrations below;

- Edges of polythene bag
- Open mouth of the bag
- Bag sealing tape - glue line/removable strip
- Bottom weld - side welds always at bag edge
- Folds in the polythene
- Press together grip seals



Standard bottom weld bag. Bag is welded and then cut a few mm below the weld. Stronger and more watertight than a side weld

Standard side weld polythene bag with press together grip seal

Side gusseted bottom weld polythene bag

Bottom weld bag perforated on the reel

Side weld bag with lip and self adhesive strip on lip

Side weld bag with lip and self adhesive strip on body of bag

Side weld bag with mitred lip and bottom gusset

Block Headed Side weld bag with lip and tear off perforation on a metal wicket for easy dispensing

Patch handle carrier bag with reinforcement around the handle

Vest type carrier bag

Plastic clip close handle carrier bag

Skirt side weld bag

Side Weld V's Bottom Weld

Side weld polythene bags are made from polythene sheeting that is folded at the bottom of the bag then sealed with a hot knife at the edge. This allows styles such as self adhesive strips and lips to be manufactured.

Polythene Bags - specifying sizes

Please note the following when specifying polythene bag sizes.

Opening width x depth x thickness.
e.g. 10" x 12" x 250 gauge is a bag that has an opening on the 10" side and is 12" deep.

For gusseted bags e.g. bin liners

face width x opening width x depth x thickness
e.g. 18" x 29" x 39" 180 gauge is a bag that is 18" wide but opens out to 29" wide and is 39" deep.

Bottom weld bags are made from polythene tubing that is sealed with a hot weld bar and then cut by a knife. This leaves a 2mm skirt at the bottom of the bag allowing heavy duty and leakproof bags to be manufactured.

All our bags thicker than 50 micron are bottom welded for strength.

A quick and simple guide to polythene gauges and their typical applications

Provided below for your assistance is a simple guide to specifying and understanding polythene gauges. Along with the gauge we have provided a typical application specific to that weight of polythene.

Polythene thickness is measured in microns and gauges.

Metric - 1 micron (mic) = 0.001mm

Imperial - 1 gauge = 0.004mm

1 micron (mic) = 4 gauge (g)

8 micron (32g) - High density 'Freezer' bags.

15 micron (60g) - Lightweight garment cover film widely used in the dry cleaning industry for protecting cleaned garments.

25 micron (100g) - Lightweight general purpose bag e.g. Bread

62.5 micron (250g) - Medium weight general purpose bag e.g. 1/2kg of boiled sweets.

125 micron (500g) - Heavy weight general purpose bag.

187.5 micron (750g) - Heavy weight e.g. 25kg sack of gravel.

250 micron (1000g) - Heaviest gauge polythene available. Should 250 micron not be strong enough then consider Valeron (see P15) An extremely strong polythene laminated film used when all other packaging has failed.

Polythene Bags - PB

Clear stock polythene bags available from 60 gauge (15mic) to 750 gauge (187.5 mic) ideal for garment bags right through to heavy duty builders' sacks.

- Can be manufactured to suit clients' individual requirements.
- Over 400 stock sizes available from 1" x 1" to 120" x 300"
- Available in clear, printed, punched, gap-in-seal and coloured.
- Also available to BRC/IOP food use standard.



Polythene Bags

Commonly requested stock sizes available

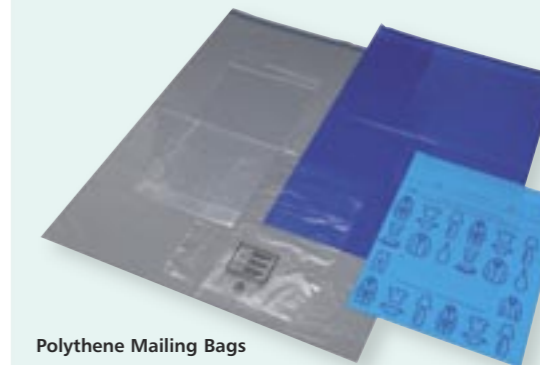
4" x 6"	100 x 150mm	12" x 15"	300 x 375mm
6" x 8"	150 x 200mm	12" x 18"	300 x 450mm
7" x 9"	175 x 225mm	15" x 20"	375 x 500mm
8" x 10"	200 x 250mm	18" x 24"	450 x 600mm
8" x 12"	200 x 300mm	20" x 30"	500 x 750mm
10" x 12"	250 x 300mm	24" x 36"	600 x 900mm
10" x 15"	250 x 375mm		

Please note we can supply any permutation of bag size and gauge to suit

Polythene Mailing Bags - MBBLU

Blue opaque mailing polythene bags available in 150 gauge and 300 gauge with printed safety warning notice and adhesive strip.

- Manufactured and printed to suit clients' individual requirements.



Polythene Mailing Bags

Polythene Mailing Bags

Size	Thickness	Pack Qty
305 x 406 + 50mm	150 gauge	1000
380 x 609 + 45mm	200 gauge	500
380 x 615 + 60mm	150 gauge	500
457 x 610 + 50mm	150 gauge	250
470 x 615 + 60mm	150 gauge	250
700 x 800 + 50mm	200 gauge	250

Grip Seal Polythene Bags - PBSS

Clear stock polythene bags incorporating a re-sealable strip available in clear, either plain or with white write-on panels.

- Also available in anti-static.



Grip Seal Polythene Bags

Grip Seal Polythene Bags

Plain	Write on panels	Plain heavyweight
BW0 1 1/2" x 2 1/2"	BW020 1 1/2" x 2 1/2"	WT20 5" x 8"
BW1 2 1/4" x 2 1/4"	BW120 2 1/4" x 2 1/4"	WT30 7" x 10"
BW2 2 1/4" x 3"	BW121 2 1/4" x 3"	WT40 8" x 12"
BW3 3" x 3 1/4"	BW122 3" x 3 1/4"	WT50 9" x 14"
BW4 3 1/2" x 4 1/2"	BW123 3 1/2" x 4 1/2"	WT60 12" x 16"
BW5 4 1/2" x 4 1/2"	BW124 4 1/2" x 4 1/2"	WT70 10" x 18"
BW6 4" x 5 1/2"	BW125 4" x 5 1/2"	
BW7 5 1/2" x 5 1/2"	BW126 5 1/2" x 5 1/2"	
BW8 3" x 7 1/2"	BW127 3" x 7 1/2"	
BW9 5" x 7 1/2"	BW128 5" x 7 1/2"	
BW10 7 1/2" x 7 1/2"	BW129 7 1/2" x 7 1/2"	
BW105 2" x 9"	BW130 6" x 9"	
BW11 6" x 9"	BW131 8" x 11"	
BW12 8" x 11"	BW132 9" x 12 3/4"	
BWA4 9" x 12 3/4"	BW133 10" x 14"	
BW13 12 3/4" x 12 3/4"		
BW14 10" x 14"		
BW15 11" x 16"		
BW16 13" x 18"		
BW17 15" x 20"		

Sizes shown are width x usable depth (base of bag to re-sealable strip)

Polythene Bags

High Density Polythene Bags - PB ▼

A high density and lightweight polythene bag ideal for wrapping food at point of purchase.

- Semi opaque in appearance.
- Available in both polythene pouches or boxed.
- Also referred to as freezer bags.



High Density Polythene Bags

High Density Polythene Bags

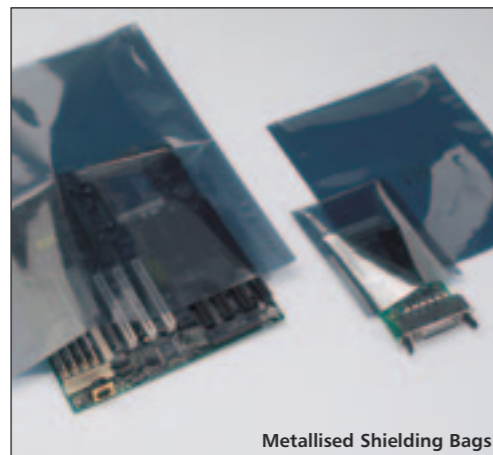
Thickness	Size "	Size mm	Pack Qty
8 micron	10" x 12"	250mm x 300mm	1000 per box
8 micron	12" x 15"	300mm x 375mm	1000 per box
8 micron	12" x 18"	300mm x 450mm	1000 per box
8 micron	16" x 16"	400mm x 400mm	1000 per box

In addition to providing polythene products Samuel Grant can also provide all your paper & board requirements - See pages P12 - 16

Metallised Shielding Bags - PSHB ▼

High performance and antistatic metallised shielding bags, ideal for packing of electrical components.

- Thin metal layer prevents static build up in the bags.
- Available in a selection of sizes to suit specific components.



Metallised Shielding Bags

Polythene Printed Carrier Bags - PBCAR ▼

High performance polythene printed carrier bags. Printed and manufactured to individual customer requirements.

- Wide range of styles available and can be printed with the customer's own logo or design.
- Min order quantity of 5,000 with fast track delivery service.



Polythene Printed Carrier Bags

Refuse Bags - PRS ▼

Premium quality refuse sacks and bin liners available in a wide variety of stock sizes. Coloured refuse sacks available to order.

- Manufactured from premium selected recycled polythene waste for extra strength.



Refuse Bags

Refuse Bags

Size (inches)	Thickness	Colour	Pack Qty
16 x 25 x 39	170 gauge	Black	200
18 x 29 x 34	170 gauge	Black	200
18 x 29 x 34	225 gauge	Black	200
18 x 29 x 39	170 gauge	Black	200

Most plastic used in general packaging today is polythene. To help you specify your polythene requirements Samuel Grant has provided the following guide to help you understand the various terms and grades available.

Polythene thickness is measured in microns and gauges.

Metric - 1 micron (mic) = 0.001mm

Imperial - 1 gauge = 0.004mm

1 micron (mic) = 4 gauge (g)

Regranulated - (also named Regran, Recycled, Reworked)

Manufactured from re-cycled polythene film, regranulated polythene products are often used in non-critical applications where quality is not a major requirement.

Competitively priced this grade of polythene can be considered the lowest grade of polythene supplied by the Samuel Grant Group. Most commonly used in industrial applications such as builder's films, and refuse sacks.

Film that is not manufactured from regranulated polythene is sometimes referred to as virgin polythene.

Low Density Polythene - (also named LDPE)

This polythene grade is referred to as a general-purpose product; the majority of our stock products such as our Lay Flat tubing are manufactured using LDPE polymers. The Samuel Grant Group can supply any film/bag format using this grade of polythene, tailor made for your requirement.

Shrink Polythene

Shrink polythene can best be described as heat reactive polythene which when shrunk forms a tight protective barrier around a given object. For example a pallet cover gives protection against the elements, whilst securely holding it's contents during transportation.

Shrink polythene is used in both manual and automated applications, with either a heat shrink gun or a shrink tunnel, both of which are supplied by the Samuel Grant Group.

Linear Low Density Polythene - (also named LLDPE)

Similar to Low Density, Linear Low Density polythene offers greater scope in its performance characteristics, particularly it's superior strength properties. The Samuel Grant Group has many years' experience in supplying this type of polythene, and its polythene extrusion company, specialises in high performance, yield increasing products.

Super Strength Polythene

Superstrength is a high performance range of polythene products. Superstrength polythene is approximately 30% stronger than standard LDPEs, and offers superb added strength properties, such as greater tear and puncture resistance. Superstrength is a yield increasing durable polythene. When compared to a standard LDPE, Superstrength can be reduced in thickness and offer comparable performance to that of a thicker LDPE. This high performance money saving film is a direct alternative to LDPEs, and worth enquiring about.

High Density Polythene - (also named HDPE)

HDPE has a cloudy appearance and when folded creases easily. With superb strength properties and added stiffness HDPE is more suited to automated applications than other polythene films. The most common use for HDPE is found in the reduced thickness supermarket carrier bag.

Co-extruded Polythene

A multi-layer polythene consisting of different polymer grades, most commonly seen in grow bags or mailing film. (Black inner and white outer) The different performance characteristics of co-extruded polythene are endless and can be tailored specifically to meet your requirements. The Samuel Grant Group can advise you on which film best suits your application.

Polythene Film & Tubing

Polythene Layflat Tubing - PLFT ▼

A continuous roll of polythene tubing stocked in medium 250 gauge and heavy duty 500 gauge.

Roll widths available from 2" to 48"

- Can be printed with your own design.
- When used with heat sealing equipment (see P38) the tubing can be cut and sealed across its width to create bags and pouches.

Please refer to machinery section P39 - 49 for the full range of pallet stretch wrapping systems available from the Samuel Grant Group



Layflat Tubing - stock sizes Low Density Polythene

Width x Length	Thickness	Colour	App weight/Roll (Kg)
2" x 320m	250 gauge	Clear	2
3" x 320m	250 gauge	Clear	3
4" x 320m	250 gauge	Clear	4
5" x 320m	250 gauge	Clear	5
6" x 320m	250 gauge	Clear	6
8" x 320m	250 gauge	Clear	8
10" x 320m	250 gauge	Clear	10
12" x 320m	250 gauge	Clear	12
14" x 320m	250 gauge	Clear	14
16" x 320m	250 gauge	Clear	16
18" x 320m	250 gauge	Clear	19
20" x 320m	250 gauge	Clear	20
24" x 320m	250 gauge	Clear	24
30" x 320m	250 gauge	Clear	30
36" x 320m	250 gauge	Clear	30
48" x 250m	250 gauge	Clear	25
2" x 160m	500 gauge	Clear	2
3" x 160m	500 gauge	Clear	3
4" x 160m	500 gauge	Clear	4
5" x 160m	500 gauge	Clear	5
6" x 160m	500 gauge	Clear	6
8" x 160m	500 gauge	Clear	8
10" x 160m	500 gauge	Clear	10
12" x 160m	500 gauge	Clear	12
14" x 160m	500 gauge	Clear	14
16" x 160m	500 gauge	Clear	16
18" x 160m	500 gauge	Clear	18
20" x 160m	500 gauge	Clear	20
24" x 160m	500 gauge	Clear	24
30" x 160m	500 gauge	Clear	30
36" x 160m	500 gauge	Clear	30
40" x 160m	500 gauge	Clear	35

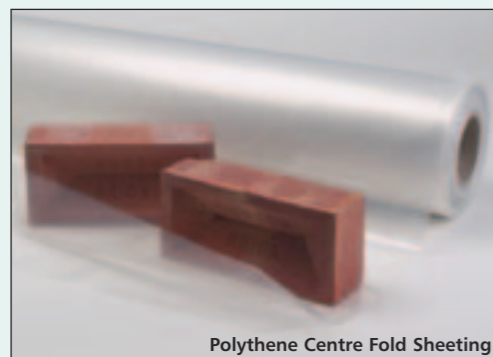


Polythene Film & Tubing

Polythene Centre Fold Sheeting - PCFS ▼

Heavy duty polythene rolls folded along the length for ease of handling.

- Often referred to as builders' sheeting and used extensively within the construction industry.
- Certain sizes are also available in single wound sheeting.



Polythene Centre Fold Sheeting

Polythene Centre Fold Sheeting

Size	Weight
1m/2m x 150m	Light
1m/2m x 100m	Medium
1m/2m x 50m	Heavy
1m/4m x 25m	Super Heavy (Blue)
2m/4m x 75m	Light
2m/4m x 50m	Medium
2m/4m x 25m	Heavy

Polythene Pallet Shrink Covers - PB ▼

A loose gusseted polythene bag available perforated on the reel. Ideal for heat shrinking over palletised goods for load stabilisation.

- Available to fit a wide variety of pallet sizes.
- Fits on a 1m x 1.2m Europallet 1m high.
- Can be printed with your own logo.
- Use in conjunction with a pallet shrink gun - DPSG (see P39 of Tools & Machinery for more details)



Polythene Pallet Shrink Covers

Please request a sales representative visit to help you calculate the size of covers required for your specific pallet sizes.

Pallet Top Sheet - PS ▼

Polythene sheets perforated on a roll to simply tear off the roll.

- Ideal for covering the top of a pallet prior to stretch wrapping.

Pallet Top Sheet

Thickness	Size	Sheets per roll
125 micron	1500mm x 1500mm	125

Polythene Single Wound Shrinkfilm - PSWS ▼

For use with shrink tunnels and manufactured from virgin polythene to guarantee excellent shrink properties.

Polythene Single Wound Shrinkfilm

Thickness	Width inches	App L. per roll	App Wt/Roll
200 gauge	12	870m	12Kg
200 gauge	14	870m	14Kg
200 gauge	16	870m	16Kg
200 gauge	18	870m	18Kg
200 gauge	24	870m	24Kg

Polythene Garment Film - PGF ▼

A lightweight high clarity polythene film, widely used within the dry cleaning industry for keeping garments clean and visible.

- Available as both continuous tubing and also as bags perforated to tear off at various lengths.
- All have shoulder shaped seals with a gap for the coathanger and printed safety warning notice unless stated otherwise.



Polythene Garment Film

Polythene Garment Film

Thickness	Size - inches	Approx. Pack Qty
60 gauge	16 x 20 x 36	776 bags
50 gauge	20 x 24 x 36	774 bags
50 gauge	20 x 24 x 48	580 bags
100 gauge	16 x 20 x 36 Flat Seal	465 bags
100 gauge	20 x 24 No Seals	350 metres
100 gauge	20 x 24 x 36	387 bags
100 gauge	20 x 24 x 40	333 bags
100 gauge	20 x 24 x 48	290 bags
100 gauge	20 x 24 x 54	258 bags
100 gauge	20 x 24 x 60	226 bags
100 gauge	20 x 24 x 72	193 bags
100 gauge	20 x 28 x 43	323 bags
100 gauge	20 x 28 x 43 Flat Seal	323 bags

High quality outdoor furniture made from heavy duty recycled plastic



Seating & Planters
Picnic Benches & Accessibility
Schools & Gardens
Boardwalks & Fencing

Does not rot
Does not splinter
100% UK waste
Delivered fully assembled
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