



cromwell



## A GUIDE TO SELECTING THE RIGHT REFUSE SACK

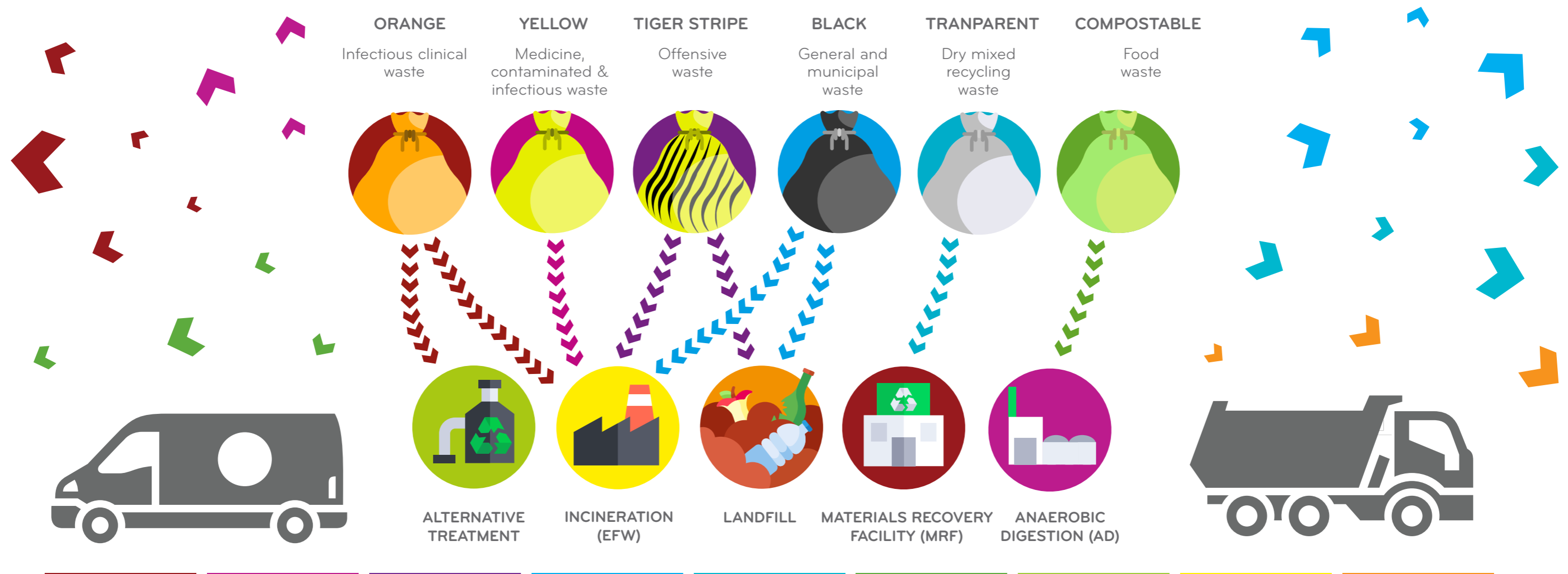


# REFUSE SACK TYPE

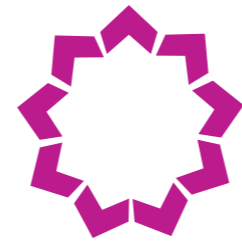
The standardised colour for a waste bag is typically black and often used for general domestic waste, however refuse sacks can be supplied in an array of colours and opacities.

Colored sacks are increasingly used to denote a specific work stream and/or treatment process.

For waste which needs to be analysed or is prone to contamination, often transparent or clear natural sacks are used so the waste operative can see the contents. It will help detect and remove any item that has been wrongfully captured.



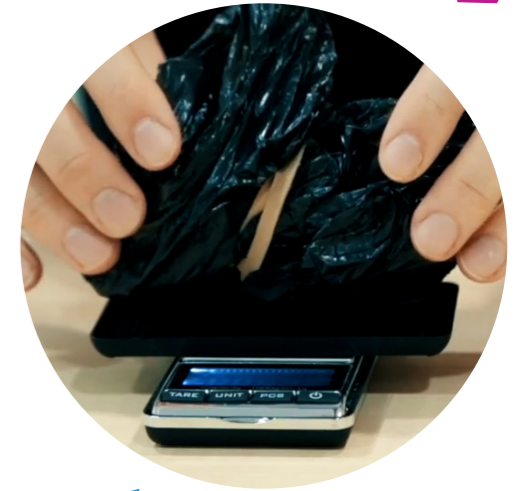




# REFUSE SACK STRENGTH

Cromwell refuse sacks are accredited under the Cleaning and Hygiene Suppliers Association (CHSA) Refuse Sacks Standard.

The CHSA is the industrial body representing the interests of distributors and the end user. Under the scheme sacks are manufactured within stated tolerances and performance criteria including tear and puncture resistance.



Consider what content will go into your refuse sack, heavier material will require a stronger sack.

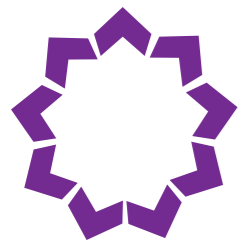


How to calculate bag thickness (Micron)?

$$30.07_{(g)} \div 0.92_{(Kg/m^2)} \div 0.737_{(m)} \div 0.965_{(m)} \div 2$$

Weight of one bag ÷ Average standard Density ÷ Open Width ÷ Bag Length ÷ Two  
 Example thickness = 21.94 microns (87.76 Gauge)





# REFUSE SACK SPECS

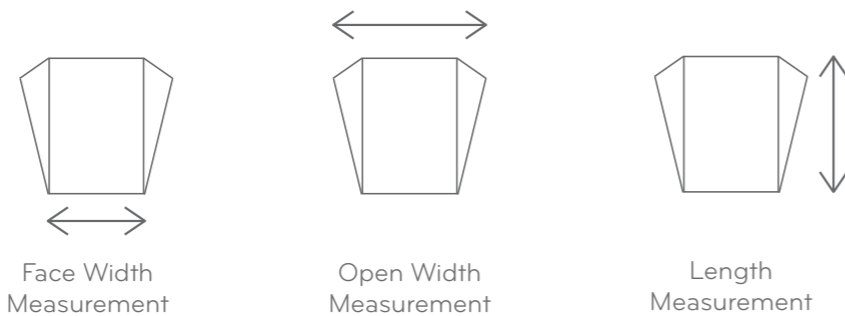


## How to calculate bag size?

Lay the bag on a flat surface and measure the face width. Now extend the gusset by pulling both sides in different directions to gain the open width. Finally, measure the length of the liner. If the bag is not gusseted, only measure the open width and length.

Example:

Face Width = 457mm  
Open Width = 737mm  
Length = 965mm



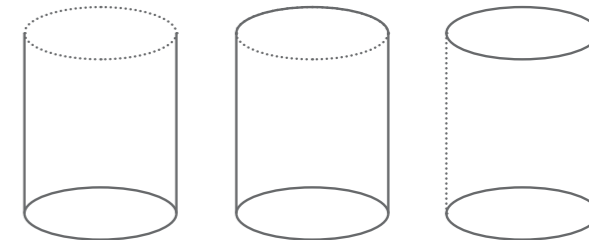
The final gusseted bag size would be (457) x 737 x 945mm.

The final non gusseted bag size would be 737 x 945mm.

## How to calculate bag size for a circular bin?

First measure the circumference of the bin in mm. You can do this easily by either measuring the diameter or by wrapping a tape measure tightly around the top of the bin, or use the following calculation: diameter x 3.14 ( $\pi$ ), this equals the circumference of the bin.

Divide the circumference measurement by 2, this will provide the open bag width.



To calculate the length of the bag, measure the height of the bin. It is important to add a little extra to account for overhang and ease of disposal when full. To calculate this, add half of the diameter to the height of the bin.

Example:

Diameter = 462.5mm  
 $\pi = 3.14$

Circumference = 1452mm  
Height = 660mm

Open Width =  $1452 \div 2 = 726$ mm  
Length =  $660 + 231 = 891$ mm

The final gusseted bag size would be (475) x 726 x 891mm  
The final non gusseted bag size would be 726 x 891mm

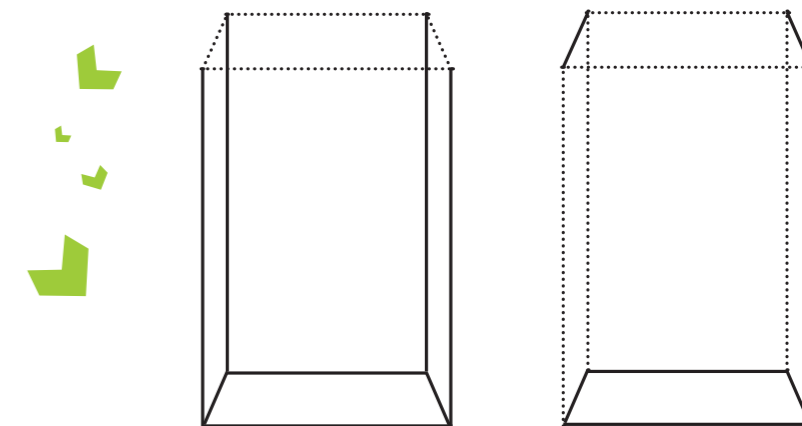
## How to calculate bag size for a rectangular bin?

First measure the depth and width of the bin in mm, then add them together to find the open width of the bag. Next, measure the height of the bin and add the width to find the length of the bag. Adding the width on the height allows for an overhang. To get the most accurate measurement, measure the inside of the bin.

Example:

Depth = 300mm  
Width = 275mm  
Height = 330mm

Open Width =  $300 + 275 = 575$ mm  
Length =  $330 + 275 = 605$ mm



The final gusseted bag size would be (300) x 575 x 605mm

The final non gusseted bag size would be 575 x 605mm





# cromwell

#### Get to know us better

T: 01977 686 868  
E: [info@cromwellpolythene.co.uk](mailto:info@cromwellpolythene.co.uk)  
W: [www.cromwellpolythene.co.uk](http://www.cromwellpolythene.co.uk)

#### Head Office

Cromwell Polythene Ltd,  
1 Glentool Avenue,  
Sherburn in Elmet, Leeds  
LS25 6RE

#### Manufacturing

CPR Manufacturing Ltd  
Dunsford Road, Meadow Lane Ind Est,  
Alfreton,  
DE55 7RH