

A choice of materials

There are a number of different material options available as standard, namely CA (Cellulose Acetate), PETG (a Polyethylene based material) & PVC. The following characteristics of the different materials are given to assist you in your choice of materials.

CA

- Exceptionally high clarity
- Tough but flexible
- Durable and damage-resistant
- Bio-degradable
- All sizes offered in open-ended and based
- Suitable for all purposes including medical and food

PETG

- Exceptional clarity
- Tough and offering good rigidity
- Re-cyclable
- Inert material
- Cost effective
- Offered open-ended
- Suitable for all purposes including medical and food

PVC

- High clarity
- Extremely tough and rigid
- Good barrier properties to air and moisture
- Low Cost
- Colour, frosting and special effects available
- Majority of sizes offered as based containers
- Suitable for all purposes including medical and food

Outwith our most commonly used materials we can offer polypropylene (PP), Low and High Density Polyethylene and Cellulose Propionate (CP)

Length & thickness

As a guide to maximum length, up to approximately 1.5 metres is possible in round tubes in CA, PETG and PVC using standard facilities. The maximum length for the more complex profiles is typically shorter.

Minimum length is dependent upon the ratio between the diameter of the tube and its length. For tubes up to 32.1 mm, a ratio of 1.5 times the diameter of the tube can be used as a rough rule of thumb for the minimum length. This ratio goes up to 2 times for the largest profiles. For rectangles and squares the minimum length is typically 2 times the longest side.

The standard wall thickness used is also a function of diameter, with a 0.3 mm wall used for diameters up to and including 37.8 mm; 0.38 mm is used as standard for round tubes between 40 mm and up to and including 51 mm; 0.46 mm is then used as the standard for 55 mm and above.

Dimensions

Intercobra use metric measurements as standard, all the dimensions in this size chart are for the internal dimensions of the profile and are in millimetres. However if you are looking to convert your requirements into inches, a scale is provided on this size chart. If the size you are looking for is not shown in this standard size chart, please contact our customer support team.

Containers, caps & closures

Our containers are fabricated using solvent welding techniques to give a strong, secure bond between the tube and the base. All sizes of CA profile are available based or with end fitments, as are the majority of PVC profiles.

The standard caps and closures are matched with their respective profiles and in the larger diameter may be internal or external closures. All caps are internal unless otherwise indicated on the size chart.

Hand tab-type closures are also available for certain sizes of profile on request. Alternative closures to those referred to in this chart can be supplied as an option.

Minimum order quantities

Generally our minimum order quantity is 5,000, but smaller quantities may be supplied at additional cost.

Pricing Guide

This standard size guide has been designed to be used in conjunction with our standard extrusion product pricing guide.