



DELTA

VALVES & PLASTICS

Pipe, Valves & Fittings

Our plastic pipe & fittings range includes metric & imperial pipes, fittings, valves & accessories. We have brought together world-renowned manufactures, enabling us to offer one of the largest and diverse ranges of thermoplastic pipe systems from stock.



PVC-U

Colour: Dark Grey

- PVC-U pipe and fittings which provide excellent chemical resistance making it ideal for various industrial applications.
- PVC-U allows the safe transportation of many acids, alkalis and chemical concentrates without fear of corrosion and environmental pollution.
- PVC-U is a solvent welded, fully matched pipework system incorporating pipe, fittings and valves that is available in both imperial and metric sizes.
- PVC-U is lightweight and is extremely easy to install which can save both time and money on any given project when compared to other, more traditional pipework materials.



ABS

Colour: Light Grey

- ABS is a plastic piping system for chilled and cold-water applications and other environmental control systems.
- ABS is a solvent welded, fully matched pipework system incorporating pipe, fittings and valves that is available in both imperial sizes.
- The system provides a wide temperature range, and the system remains extremely ductile even at temperatures as low as -40°C.
- Furthermore, ABS is extremely lightweight and is much easier to handle on-site than traditional materials especially during installation which can significantly reduce both time and cost.

Key Features / Tech Specs:

Material: ABS (Acrylonitrile Butadiene Styrene)

Operating temperature range: -40°C to 80°C, dependent on pressure

Pressure range: 9 bar to 15 bar, dependent on temperature

Extremely resistant to impact

Non-toxic – suitable for cold potable



cPVC

Colour: Mid Grey

- PVC-C (cPVC) is a post-chlorinated PVC. PVC-C has several distinguishing features in comparison with PVC-U which lend significant added value to piping systems.
- PVC-C combines the favourable features of PVC-U with two important additional properties. A high temperature resistance (of up to 80 °C) and an excellent resistance to different chemical products such as acids and alkaline solutions at high temperatures. Due to these features, the areas of application are wider than with PVC-U.
- Solvent cement jointing: Note specific cement is required and not the same as PVC-U cement



POLYETHYLENE

- High density polyethylene (HDPE /PE100) has a high crystalline structure and offers excellent impact strength, low moisture absorption and a good tensile strength.
- Suitable for use between -40 and +60°C.
- This Black material exhibits excellent corrosion resistance to a wide range of inorganic and organic acids and bases.
- Jointing is performed by, butt, socket or electrofusion welding all by means of applying heat to soften the materials before jointing.



POLYPROPYLENE

Colour: Beige

- Polypropylene (PP-H) is a thermoplastic semi-crystalline material
- Polypropylene is specially designed to convey the most hazardous of chemicals at elevated temperatures.
- Polypropylene pipe has excellent chemical and abrasion resistance properties making it ideal for a range of industrial pipe supply purposes. Its characteristics are perfectly suited to process applications including pharmaceutical and chemical processing. It has good thermal stability from 0°C up to 90°C.
- Polypropylene (PP-H) is joined by socket fusion, butt fusion or electrofusion methods, and is a fully matched pipework system incorporating pipe, fittings and valves that are available in metric sizes up to 400mm.



PVDF

- PolyVinylidene Fluoride (PVDF) has an excellent chemical and physical resistance. Such as other fluorinated polymers, it supports temperature variations from -20°C up to +120°C, ultra-violets, and the most corrosive chemical agents. PVDF is a homopolymer without additives, non-toxic, has a particularly smooth surface, which avoids the development of micro-organisms.
- Jointing is performed by butt or socket welding all by means of applying heat to soften the materials before jointing.



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