

Chlorinated Polyvinyl Chloride (PVC-C) is a modified PVC with additional high temperature strength. It has been developed to handle hot, corrosive liquids at working temperatures up to 100°C, whilst offering the ease of installation of cold solvent welded jointing.

PVC-C is inert to many mineral acids, bases, salts, paraffinic hydrocarbons, halogens and alcohols. It will not support combustion and is rated as self extinguishing. The low thermal conductivity of the material reduces moisture condensation on water lines, and will maintain the temperature of fluids with minimal insulation.

With a similar working temperature range to polypropylene, PVC-C has greater rigidity and lower thermal expansion, making it particularly suitable for above ground process pipework.

application guide

- Temperature range 5°C to 100°C
- Good mechanical strength
- Low thermal conductivity
- Odourless and tasteless
- Rigid pipes are suitable for above ground use
- Resistant to many inorganic chemicals
- Threading possible
- Sizes from 1/4" to 18" and 16mm to 160mm
- No special jointing tools required
- Non flammable and self extinguishing

- Not resistant to organic solvents

standards and approvals

Inch Sizes:

- Pipe : ASTM F-441
- Plain Fittings : ASTM F-439
- Threaded fittings : ASTM F-437
- PVC-C material : ASTM D-1784

Metric Sizes:

- Pipe : DIN 8079
- Pipe quality & test : DIN 8080
- Plain Fittings : DIN 8063
- Threaded fittings : BS21/DIN 2999/ISO7

PVC-C pipes and fittings are WRAS listed for use in contact with cold potable water.

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