

polypropylene

Polypropylene (PP) piping systems are widely used in industrial processing. Light in weight yet with high impact strength and reliable heat fusion welding, PP also offers good abrasion resistance and is a good thermal and electrical insulator.

PP is suitable for working use at temperatures up to 90°C, and will withstand short term use at a maximum 110°C.

Chemical resistance is excellent: PP is resistant to aqueous solutions of acids, alkalis and salts, and to a large number of organic solvents.

PP systems are assembled using heat fusion welding, either using socket fittings or butt fusion of pipes and/or fittings end to end. Welding equipment is available for sale or hire and is featured in Section 13.

application guide

- Temperature range 0°C to 90°C (Short Term 110°C)
- High impact strength
- Abrasion resistant
- Suitable for handling foodstuffs
- Ideal for above and below ground use
- Threading possible
- Resistant to acids, alkalis, salts and many organic solvents
- Good insulator
- Lightweight (density 0.905-0.92)

- Welding equipment required
- Not resistant to concentrated oxidising acids
- Thermal expansion is higher than other plastics

standards and approvals

Pipe : BS 5556: 1978, DIN 8077/8078
Fittings : DIN 16962
Threaded fittings : BS21/DIN 2199/ISO 727

section guide

Pipe-H Homopolymer - mm Size	256
Pipe - Copolymer - mm Size	257
Socket Fusion Fittings - mm Size	258
Socket Fusion Adaptor Fittings - mm Size	258
Socket Fusion Flanges - mm Size	259
Fusion Spigot Fittings - mm Size	260
Fusion Spigot Adaptor Fittings - mm Size	266
Fusion Spigot Flanges - mm Size	267
Flame Retardent Pipe and Fittings	270
Flame Retardent Electrically Conductive Pipe and Fittings	272
Basket Strainer	274
Bag Filter	275
Ball Valve, Double Union	276
Diaphragm Valve	279
Needle Valve	279
T and L-Port Ball Valve	280
Butterfly Valve	282
Non-Return Valve, Wafer Check	286
Air Release Valve	288
Foot Valve	288
Non-Return Valve, Check	289
Gauge Guard	291
Line Strainer	291
Ball Valve, Electrically Actuated	292
Ball Valve, Pneumatically Actuated	293
Butterfly Valve, Electrically Actuated	294
Butterfly Valve, Pneumatically Actuated	294
Diaphragm Valve, Actuated	295
Pressure Reducing Valve	296
Pressure Relief Valve	300

IPS Flow Systems
Seaham Grange Industrial Estate, Seaham, Co Durham, SR7 0PT, England
Tel: +44+ 191 521 3111 Fax: +44+ 191 521 3222
E-mail: sales@ipsflowsystems.com Website: www.ipsflowsystems.com