Polyethylene

Polyethylene (PE) pressure pipe system is a fast and reliable solution to the challenges presented by the requirements of modern supply systems. Utilising the benefits of polyethylene jointing technologies and excellent chemical resistance, PE pressure pipe system can be used across a wide range of applications including:

- Water supply and distribution
- Water treatment
- Cooling water
- Pressurised wastewater systems
- Transportation of chemicals

Polyethylene comes in 2 forms for pipework systems

PE80 - This is the term used to denote Medium Density Polyethylene (MDPE) material which has been widely used for gas and water industry for many years. PE80 is generally used for lower pressure applications and is supplied in a light blue or black colour.

PE100 - This is the term used to denote High Density Polyethylene (HDPE). PE100 is a higher density material than PE80 and demonstrates exceptional resistance to rapid crack propagation and is suitable for higher pressure applications. PE100 is supplied in a dark blue and black colour.

Applications for water use would normally be supplied in a coil (blue) joined by either compression or electrofusion fittings. While industrial use including the transfer of chemicals are in straight lengths (black) and joined by either butt or electrofusion methods.

Features and Benefits

PE100 pressure pipe offers all of the benefits commonly associated with plastic systems in a

wide range of sizes.

- Sizes available
    - SDR 17 (10 bar) 32mm to 1200mm
    - SDR 11 (16 bar) 20mm to 630mm
- Operating temperature -40°C to +60°C
- Excellent impact resistance
- Excellent chemical resistance