



Pipe system

isoplus pre-insulated SteelFlex pipes are complete piping systems. The pipes consist of a steel carrier pipe and an LLDPE jacket pipe bonded to form a complete unit with insulating polyurethane foam. The flexible insulation and LLDPE jacket pipe ensure maximum flexibility.

Steel pipes

Steel pipes are made from cold drawn, soft, seamless, precision steel piping to DIN 17175/2448, RST 35.8/l with maximum wall thickness. Tolerance to DIN 2391 with approved certificate to EN 10204/3.1B.

Operating pressure: max. 25 bar

Insulation

The pipes are insulated with polyurethane, foamed using the blowing agent cyclopentane, thus ensuring optimum insulation values.

Compressive strength: ≥ 0.2 MPa

Closed cells: $\geq 88\%$

Continuous operating temperature: max. 130°C

Jacket pipe

Material: Bimodal - LLDPE

Density: approx. 924 kg/m³

Melt index: 0.3 g/10 min

Aluminium diffusion barrier between jacket pipe and foam.

Gas diffusion barrier

