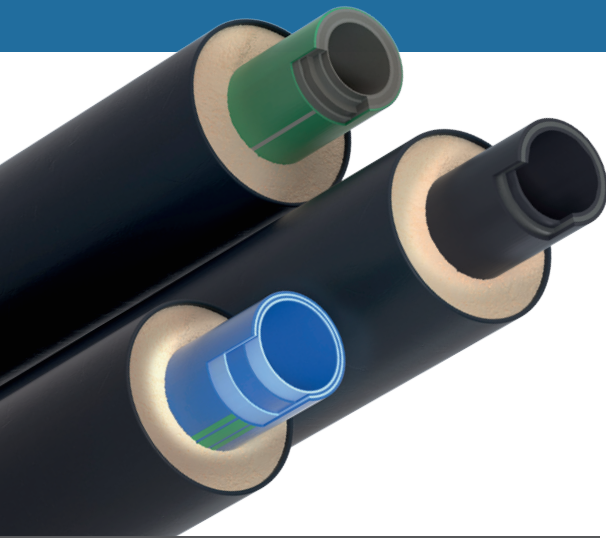


PRE-INSULATED PIPE SYSTEMS.
MINIMIZE ENERGY LOSSES &
REDUCE LONG-TERM COSTS.



POLYMELT PRE-INSULATED PIPE SYSTEMS.



The POLYMELT pre-insulated piping systems are insulated with PUR rigid foam and enclosed with a PE jacket pipe. All medium pipes can be made of POLYMELT fiber pipes from the Ecosan and Mechanical product lines.

The Lightweight, pre-insulated POLYMELT pipes are easy to connect and install. They minimize energy losses and reduce long-term costs. Pre-insulated with high efficiency foam and suitable for new construction and retrofits of district heating and cooling systems.

Buried pre-insulated POLYMELT pipes are one of the most energy-efficient methods of transporting hot potable water, heating and cooling water or thermal water over longer distances. Polymelt offers project-related pre-insulated PP-R and PP-RcT piping systems with different medium pipes.

Accessories



For a more versatile installation of Polymelt pipes, it will be possible in the future to use pre-insulated fittings that are sealed with shrink sleeves and tapes. This range will be offered according to customer requirements and will be further expanded accordingly. Other accessories such as various pre-connection shrink tapes or endless rolls, sealing caps and shrink and sealing tapes complete the range.

We offer our pre-insulated pipes for individual applications, e. g.

- Potable hot and cold water
- District heating and cooling
- Thermal water systems

Pre-insulated pipe construction:

Composite insulation made of PUR rigid foam, CFC-free, seamless between medium pipe and protective jacket.

Insulation

- Polyurethan pressure foamed, density approx. 80 kg/m³
- Thermal conductivity 0.024 W/mK

Technical datas

- Delivery length : 5,8 m
- 220 mm free pipe ends on both sides

Medium pipe

- PP-R / PP-RcT ECOSAN or MECHANICAL 3 or 5 layer fiber pipe

Standards

- EN 15874, DIN 8077
- DIN EN 253
- DIN 8075

Casing pipe

- HDPE

Medium pipe						Casing pipe	Insulation
ECOSAN		MECHANICAL PP-R		MECHANICAL			
SDR 7,4	SDR 11	SDR 11	SDR 17.6	SDR 11	SDR 17.6	Outer diameter	Thickness
32 mm	-	32 mm	-	32 mm	-	90 mm	27 mm
40 mm	-	40 mm	-	40 mm	-	110 mm	33 mm
50 mm	-	50 mm	-	50 mm	-	110 mm	28 mm
63 mm	-	63 mm	-	63 mm	-	125 mm	29 mm
75 mm	-	75 mm	-	75 mm	-	140 mm	30 mm
90 mm	-	90 mm	-	90 mm	-	160 mm	33 mm
110 mm	-	110 mm	-	110 mm	-	200 mm	42 mm
125 mm	-	125 mm	125 mm	125 mm	125 mm	225 mm	47 mm
-	160 mm	160 mm	160 mm	160 mm	160 mm	250 mm	42 mm
-	200 mm	200 mm	200 mm	200 mm	200 mm	315 mm	54 mm
-	250 mm	250 mm	250 mm	250 mm	250 mm	400 mm	69 mm