

Uponor product specification

Uponor product range: Thermo PRO Twin and Single

Uponor product code(s): 1087378-1087390, 1087392-1087399

Product specification:

Pipe insulation material:	PUR Foam with PEX outer
Pipe jacket material:	HDPE jacket
Insulation K value:	50°C :0.0219 W/m K
Pipe Material	PE-Xa with EVOH barrier
Standards:	DIN 16892/16893, BS EN 15632-2 ATV-DVWK-A 127
Max flow Temp:	95°C @ 6 bar (100 hours)
Max continuous flow Temp:	80°C @ 6 bar



Product details:

Application:

The ideal solution for energy efficient heating water distribution in local heating networks, giving a market leading performance as well as best in class flexibility. The Thermo PRO Twin combines the flow and return lines in one flexible pipe system. Each of the pipes are marked for identification of the flow and return.

The classification of a Thermo PRO system is described in EN 15632-2 as a bonded composite system with plastic medium pipe.

Pipe construction:

Uponor Thermo PRO is a multi-layer pre-insulated pipework, consisting of a Cylopentane blown PUR foam and PEX outer foam layer for added flexibility and a foil layer for reduction of degassing effects, increasing the life span of the insulation. The core pipework contained is a SDR11 (6 BAR) EVOH diffusion barrier pipe ideal for use in Heating systems. This pipe conforms to BS EN 15632-2 (bonded plastic pipework).

Pipe Properties

Thermo PRO Single

Code:	Pipe (mm)	Jacket (mm)	DN number	Pipe weight (kg/m)	Water Volume (l/m)	Bend radii (m)	Coil length (m)	U-value
1087378	40x3.7	145	DN32	1.99	0.835	0.25	240	0.112
1087379	40x3.7	175	DN32	3.07	0.835	0.3	150	0.097
1087383	50x4.6	145	DN40	2.27	1.307	0.35	240	0.137
1087384	50x4.6	175	DN40	2.96	1.307	0.45	150	0.116
1087385	63x5.8	175	DN50	3.26	2.075	0.55	150	0.144
1087386	63x5.8	200	DN50	3.84	2.075	0.8	100	0.128
1087387	75x6.8	175	DN63	3.6	2.961	1.1	150	0.176
1087388	75x6.8	200	DN63	4.18	2.961	1.2	100	0.152
1087389	90x8.2	200	DN80	4.7	4.254	1.4	100	0.195
1087390	110x10	200	DN100	5.51	6.362	0.5	100	0.265

Thermo PRO Twin

Code:	Pipe (mm)	Jacket (mm)	DN number	Pipe weight (kg/m)	Water Volume (l/m)	Bend radii (m)	Coil length (m)	U-value
1087392	(2x) 25x2.3	145	2x DN20	1.97	0.327	0.6	240	0.135
1087393	(2x) 25x2.3	175	2x DN20	2.71	0.327	0.7	150	0.115
1087394	(2x) 32x2.9	145	2x DN25	2.15	0.539	0.6	240	0.171
1087395	(2x) 32x2.9	175	2x DN25	2.87	0.539	0.8	150	0.138
1087396	(2x) 40x3.7	175	2x DN32	3.13	0.835	0.8	150	0.173
1087397	(2x) 40x3.7	200	2x DN32	3.7	0.835	1.0	100	0.149
1087398	(2x) 50x4.6	200	2x DN40	4.08	1.307	1.1	100	0.193
1087399	(2x) 63x5.8	200	2x DN50	4.69	2.075	1.2	100	0.263