

# Butt-welded PE-RT/AL/PE-RT multilayer pipes



Applications:  
floor-heating and -cooling,  
radiator connections,  
tap water installations

## Special properties

- easy to bend
- low weight
- high form stability
- reduced installation costs
- incrustation-free due to smooth inner pipe surface
- no selective or tensile fracture corrosion for long service life
- optimal price-performance ratio

# Technical data »butt-welded multilayer pipes«

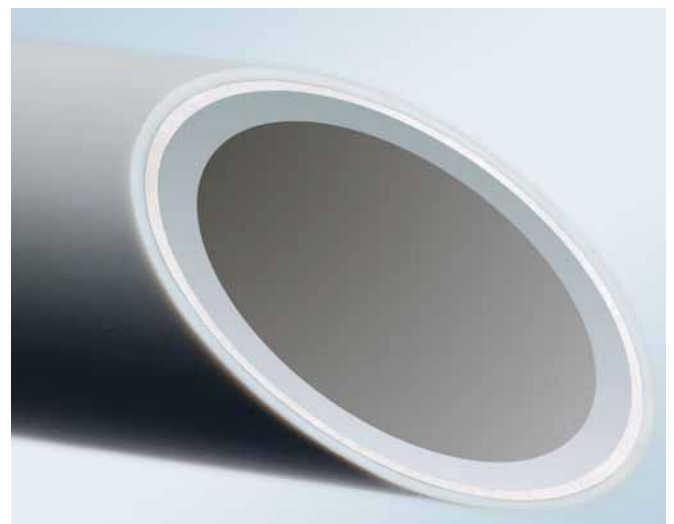
Description of material: PE-RT · AL · PE-RT

Pipe dimension	16 x 2	20 x 2	25 x 2,5	26 x 3	32 x 3
Outer diameter, nominal size in mm	16	20	25	26	32
Wall thickness, nominal size in mm	2	2	2,5	3	3
Inner diameter, nominal size in mm	12	16	20	20	26
Pipe weight in g/m	105	148	211	240	323
Pipe weight with water in g/m	218	337	525	554	854
Internal volume in l/m	0,113	0,189	0,314	0,314	0,531
Heat conductivity in W/m · K	0,4	0,4	0,4	0,4	0,4
Expansion coefficient in mm/m · K	0,025	0,025	0,025	0,025	0,025
Surface roughness [inner pipe] in $\mu\text{m}$	1,5	1,5	1,5	1,5	1,5
oxygen diffusion in mg/l · d	0	0	0	0	0
operating temperature in $^{\circ}\text{C}$	70	70	70	70	70
Operating pressure in bar	10	10	10	10	10
Max. operating temperature [heating] in $^{\circ}\text{C}$	95	95	95	95	95
Bend radius	5 x D	5 x D	5 x D	5 x D	5 x D

All values are guide values; other dimensions available on request.



Small bend radii up to 5 x D possible



Butt-welded without overlapping