



enclosing liquids with innovation



Westfälische Rohrwerke



Sanitary | Heating | Cooling

Multilayer Composite Pipe

PE-RT/AL/PE-RT, \varnothing 11,6 - 110mm

- Sanitary
- Panel heating and cooling
- Wall heating and cooling
- Ceiling cooling

Special features:

- high dimensional stability
- 100% oxygen tight
- minimal thermal expansion
- low weight
- tested according to DVGW and SKZ
- outstanding laying properties
- pipes available in different bar lengths and as coils
- corrosion-resistant

Data (depending on nominal size)

Nominal Size [mm]	d _e [mm]	e [mm]	DN [mm]	[g/m]	[g/m] filled with water	[l/m]	Ring	Ring length max[m]	Bar up to 5m
11.6 x 1.50	11.60	1.50	8.00	58	116	0.058	x	1100	
12 x 1.50	12.00	1.50	9.00	61	121	0.061	x	700	
14 x 1.60	14.00	1.60	11.00	74	164	0.092	x	600	
14 x 2.00	14.00	2.00	10.00	88	165	0.079	x	600	
16 x 2.00	16.00	2.00	12.00	104	216	0.113	x	500	x
18 x 2.00	18.00	2.00	14.00	120	273	0.154	x	400	x
20 x 2.00	20.00	2.00	16.00	138	334	0.201	x	400	x
20 x 2.25	20.00	2.25	15.50	146	336	0.189	x	400	x
25 x 2.50	25.00	2.50	20.00	214	526	0.31	x	280	x
26 x 3.00	26.00	3.00	20.00	250	565	0.314	x	200	x
32 x 3.00	32.00	3.00	26.00	330	863	0.531	x	100	x
40 x 4.00	40.00	4.00	32.00	507	1310	0.803	x	50	x
50 x 4.50	50.00	4.50	41.00	740	2060	1.320			x
63 x 6.00	63.00	6.00	51.00	1220	3262	2.042			x
75 x 7.50	75.00	7.50	60.00	1778	4615	2.827			x
90 x 8,5	90,00	8,5	73,00	2545	6730	4,185			x
110 x 10	110,00	10	90,00	3597	9959	6,362			x

Other dimensions and lengths possible upon request.

Technical data

Type of pipe	11.6 x 1.50 12.0 x 1.50	14 x 1.60	14 x 2.00 16 x 2.00 18 x 2.00 20 x 2.00	20 x 2.25 25 x 2.50 26 x 3.00 32 x 3.00	40 x 4.00 50 x 4.50 90 x 8,50	63 x 6.00 75 x 7.50 110 x 10,00
Thermal conductivity in W/m*K(1)	0.42		0.42		0.42	
Thermal coefficient of expansion mm/m*K	0.025		0.025		0.025	
Oxygen diffusion in mg/l*d	0.000		0.000		0.000	
Max. operating temperature in °C	60		70		70	
Max. operating pressure in bar	6		10		10	
Max.malfunction temperature in °C	95		110		110	
Bending radius in mm (manually bended)	(2)		(2)			
Bending radius in mm (bended with bending tool)	(3)		(3)			
Fire rating class, normal flammable according to DIN 4102	B2		B2		B2	

(1) Mean value (2) 5 x d_e (mm) (3) 4 x d_e (mm); all values are to be considered as guidelines. This is subject to technical modifications.

Contact

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