

Data sheet *turatec*



Multi-layer composite pipe for drinking water installation and hydronic heating - absolutely oxygen tight - resistant to corrosion - with DVGW **approval

Pipe structure: standardised inner pipe made of highresistent temperature polyethylene (PE-RT) - special adhesive tie layer - butt-welded aluminium pipe - special adhesive tie layer - outer pipe made of highresistent temperature polyethylene (PE-RT). Colour: white

Pipe inscription system *turatec* : FRÄNKISCHE turatec multi DVGW** DW 8236BP0281 DIN 16833 und ÖNorm B5157 geprüft PE-RT/AL/PE-RT Dimension Made in Germany Date Hour Machine Meter

Technical Data

Dimension	14 x 2***	16 x 2	18x2 ***	20 x 2	26 x 3	32 x 3
Diameter outside in mm	14,1 ±0,15	16,1 ±0,15	18,1 ±0,15	20,1 ±0,15	26 ±0,15	32 ±0,15
Diameter inside in mm	9,9 ±0,2	11,9 ±0,2	13,9 ±0,2	15,9 ±0,2	20 ±0,2	26 ±0,2
Wall thickness outer PEX layer in mm	0.55	0.55	0.55	0.45	0.75	0.55
Aluminium layer in mm	0.20	0.20	0.30	0.30	0.50	0.60
Wall thickness inner PEX layer in mm	1.15	1.15	1.05	1.15	1.55	1.65
Coefficient of linear thermal expansion in mm/m x K	0.026	0.026	0.026	0.026	0.026	0.026
Thermal conductivity in W/m x K	0.45	0.45	0.45	0.45	0.45	0.45
Maximum permissible service temperature in °C	95	95	95	95	95	95
Maximum permissible operating pressure in bar	10	10	10	10	10	10
Water contents in l/m	0.078	0.113	0.113	0.201	0.314	0.531
Radius of curvature without aids in mm	5 x d _a	5 x d _a	5 x d _a	5 x d _a	---	---
Radius of curvature with bending spring in mm	2,5 x d _a	2 x d _a	2,5 x d _a	3 x d _a	---	---
Radius of curvature with bending tool in mm	---	---	---	---	3,6 x d _a	3,6 x d _a
Pipe roughness k in mm	0.007	0.007	0.007	0.007	0.007	0.007

Logistical Data

Dimension	14 x 2	16 x 2	18 x 2	20 x 2	26 x 3	32 x 3
Coil length in m	100	100 200	100 200	100	50	50
Coil dimensions in mm Ø inside x Ø outside x width	565x780x190	660x780x190 520x780x190	610x780x190 585x780x300	550x780x190	550x780x190	940 x 1200 x 150
Weight per coil in kg	10	11 22	13,2 26,4	15	15	20.5
Measures of cardboard box (l x w x h) in cm	80 x 20 x 80	80 x 20 x 80 80 x 20 x 80	80 x 20 x 80 80 x 30 x 80	80 x 20 x 80	115 x 12 x 115	---
Meters per pallet	1200	1200 2400	1200 1400	1200	700	750
Measures of pallet (l x w x h) in m	1,2 x 0,8 x 1,75	1,2 x 0,8 x 1,75	1,2 x 0,8 x 1,75	1,2 x 0,8 x 1,75	1,2 x 1,2 x 1,85	1,2 x 1,2 x 2,4
Length of bars in m	---	5	---	5	5	5
Meters per bundle	---	75	---	50	25	20
Measures of bundle (l x b x h) in mm *	---	5040x80x70	---	5040x80x70	5040x80x70	5040x80x70
Weight per bundle in kg (packing included)	---	12	---	11	11	12

*: Bundles DN 16 to 26 in U-shaped cardboard boxes, from DN 32 onwards in stretch foil

** DVGW certification pipe (system end of March 2005) ***: dimension 14/18 are not approved by DVGW

All particulars on measures and weight are approximate data