

RDZ BASIC PE-RT 4L PIPE Ø 17-13

RDZ BASIC 4L pipe is made of PE-RT, non cross-linked polyethylene. It is suitable for underfloor heating and cooling systems, and it is provided with oxygen diffusion barrier in compliance with DIN 4726. Diameter 17 mm, thickness 2 mm, natural colour. Package: 600-m rolls.

Ø17



Diameter (mm)	Roll (m)	Code
17	600	1014759

Application Area

Operating conditions according to: DIN 4724	CLASS 4	Heating with radiant panels	T _{max} 70 °C	Pressure 4 bar
	CLASS 5	Radiators for high temperature	T _{max} 90 °C	Pressure 4 bar

d _n (mm)	e _n (mm)	S-value	SDR-value	Water content (l/m)
17	2	4	9	0.133

d_n = outer diameter, e_n = wall thickness,

S = nominal pipe serial number according to ISO 4065, SDR = standard dimension ratio, allocation of SDR values, according to DIN 16895

Feature	Value	Unit	Reference law
PE-RT pipe according to DIN 16833/834 · oxigen-impermeable according to DIN 4726			
Density	23°C	≈ 0,933	g/cm ³ DIN 53479
Flexural impact strength according to Charpy	23°C	no failure	kJ/m ² DIN EN ISO 179-1/2
Tensile strength	23°C	35	N/mm ² DIN EN ISO 6259-1
Tenacity	23°C	34	N/mm ² DIN EN ISO 6259-1
Elongation at break	23°C	> 800	% DIN EN ISO 6259-1
Elastic modulus (Emodule)	23°C	≈ 500	N/mm ² DIN 16833 / DIN EN ISO 128
Stress crack resistance		no failure	ASTM D 1693
Moisture absorption		< 0,01	mg (4d) DIN EN ISO 62
Coefficient of linear expansion	0°C – 70°C	1,9 · 10 ⁻⁴	1/K DIN 16833 / DIN 53752
Thermal conductivity		0,4	W/(K · m) DIN 16833 / DIN EN 12664
Smallest bend radius		≥ 5 · D	mm DIN 4721
Oxygen tightness	40°C	≤ 0,32	mg/(m ² · d) DIN 4726
	80°C	≤ 3,6	mg/(m ² · d) DIN 4726

