

## RDZ PE-RT PIPE Ø 14 MM



RDZ PE-RT PIPE in non-crosslinked polyethylene, suitable for use in radiant heating and cooling systems. Equipped with anti-oxygen barrier in compliance with DIN EN 21003, DIN EN 22391 and DIN 4726. Diameter 14 mm, thickness 2 mm, natural color.



Diameter (mm)	Roll (m)	Code
14	300	1014454

### Application Area

Operating conditions according to: DIN EN ISO 15875-1	CLASS 4	For use with hot and cold water	T <sub>max</sub> 70 °C	Pressure 8 bar
	CLASS 5	For use with hot and cold water	T <sub>max</sub> 90 °C	Pressure 8 bar

d <sub>n</sub> (mm)	e <sub>n</sub> (mm)	Weight (g/m)	Water content (l/m)
14	2	81	0.078

d<sub>n</sub> = outer diameter, e<sub>n</sub> = wall thickness,

Feature	Value	Unit	Reference law
Standard			DIN EN 21003 DIN EN 22391 DIN 4726
Density	0.945	g/cm <sup>3</sup>	DIN 53 479
Tear resistance	34	N/mm <sup>2</sup>	DIN 527
Elongation at tear	approx. 1000	%	DIN 527
Thermal conductivity at 20°C	0.40	W / (m · K)	DIN 52 612
Oxygen-tightness	< 0.1	mg O <sub>2</sub> / (m <sup>2</sup> · d)	DIN 4726
Longitudinal expansion coefficient	1.95 x 10 <sup>-4</sup>	K <sup>-1</sup>	DIN 52 328
E-modulus at 20°C	580	N/mm <sup>2</sup>	DIN 53 457
Yield stress	16.5	N/mm <sup>2</sup>	ISO 527
Smallest bending radius without bending device	70	mm	
Smallest bending radius with bending device	28	mm	
Roughness factor	0.007		Prandtl-Colebrook method

