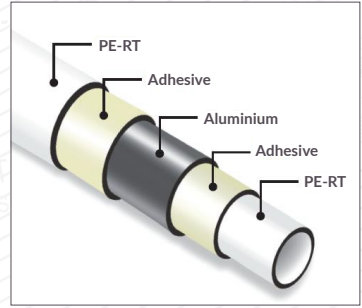


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## Therm

### PE-RT/AL/PE-RT



#### Physical Properties

Material:	High temperature resistance polyethylene (PE-RT)
Density:	> 0,941 g/m <sup>3</sup>
O2 Permeability:	< 0.0010 g/m <sup>3</sup> .d

#### Thermal Properties

Working temperature range:	95°C
Maximum Temperature:	110°C
Thermal Conductivity (60°C):	0.43 W/m <sup>2</sup> K
Coefficient of Linear Extension	0.025 mm/m <sup>2</sup> K

Design Pressure according to ISO 21003	Temp	Max Pressure
	20°C	15 bar
	40°C	10 bar
	60°C	8 bar
	70°C	7 bar

#### Mechanical Properties

Adhesion Resistance:	20 Mpa
Elongation at Break:	>400%
Burst Pressure:	80 bar

Resistance to Initial Pressure	40 bar (20°C, 1h)
	40 bar (20°C, 1h)
	40 bar (20°C, 1h)
	40 bar (20°C, 1h)

Description	Mts/Coils	Mts/Straight	Diameter (mm)	Tolerance (mm)	Thickness (mm)
16x2.0 - THERM PERT-AL-PERT-Coil	100 - 500	4-5-6	16	16 - 16.3	1.90 - 2.30

Other dimensions and colours available on request

#### Certifications

- PE-RT / Al / PE-RT pipe produced according to AENOR (Spain), SKZ (Germany), WRAS (UK)

#### Applications

- Underfloor heating and heating
- Cooling systems
- Hot and cold water distribution
- Industrial facilities
- Snow and ice removal systems on surfaces
- Surface heating/cooling (floor, wall & ceiling)

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