

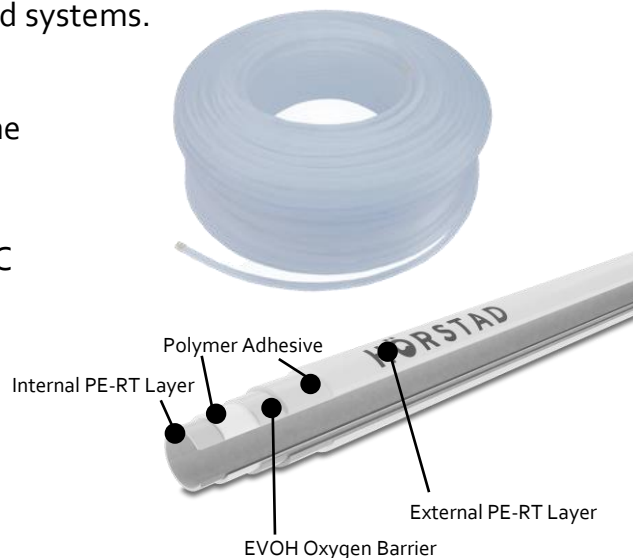
PE-RT PIPE 12mm or 16mm

Product Datasheet

5-layer PE-RT/EVOH/PE-RT pipe intended for heating installations, surface heating, surface heating (ice-free installations) and industrial floor heating installations. The pipe is also suitable for pressed systems.

Main advantages:

- Oxygen barrier in accordance with the standard DIN 4726
- Non- corrosive and free from incrustations
- Suitable for use at temperatures below 0 °C
- Convenient installation
- Very good flexibility
- High resistance to chemical compounds
- High temperature resistance
- Tensile strength



Technical Data	
Thermal Conductivity	0.4W/mK
Coefficient of Thermal Expansion	1.8 x 10 ⁻⁴ /K
Modulus of Elasticity	645 MPa
Density	0.941 g/cm ²
Tensile Strength	37 MPa
Maximum Elongation	780%
Material Class	B
Diffusion Tightness	40 °C < 0,1 mg/(m ² d) 80 °C < 0,34 mg/(m ² d)
Installation Temperature	-10 °C to 40 °C
Water capacity	0.113 l/m
Surface roughness	0.004 nm
Pressure level	6 bar
T max	70 °C

- PE-RT stands for 'Polyethylene of Raised Temperature Resistance'. Polyethylene has excellent properties at high pressures.
- The outer layer protects the oxygen barrier from mechanical damage, moisture and other damaging materials.
- The Polymer adhesive is a functionalised polythene that acts as an adhesive layer between the polyethylene and the oxygen barrier.
- The EVOH oxygen barrier is made up of ethanol vinyl alcohol which acts against oxygen diffusion. Oxygen diffusion is a very important factor within underfloor heating, the pipe prevents oxygen diffusion up to 80°C.

To order please quote:

Size mm	Product Reference	Product Name
12mm	HOR/PERT/12-300	HÖRSTAD PE-RT Pipe12mm x 1.5mm 300m
16mm	HOR/PERT/16-300	HÖRSTAD PE-RT Pipe16mm x 2mm 300m
16mm	HOR/PERT/16-600	HÖRSTAD PE-RT Pipe16mm x 2mm 600m

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