



PINNACLE

PINNACLE PERT 3 Layer EVOH Pipe



PERT 3 Layer EVOH Pipe for connecting underfloor heating to boilers, manifolds and other elements of the system. The pipe can also be used as part of an industrial pipeline construction or for geothermal installations.

It can support operating pressures up to 8 bar and temperatures up to 95°C. The PERT 3 Layer EVOH Pipe is constructed of a Polyethylene of Raised Temperature (PERT) inner layer and an EVOH outer layer and is impermeable to oxygen according to DIN 4726.

BENEFITS

- Corrosion free
- High throughput thanks to smooth inner layer
- Flexible and move-friendly
- Good impact resistance
- Chemical-resistant
- Lightweight
- 50 Year Warranty

TECHNICAL DATA

Technical Specification	
General	
Sizes	12 x 1.6mm, 16 x 2mm, 20 x 2mm
Coil Sizes	16 x 2mm supplied in 200 or 400m, 12 x 1.6mm supplied in 320m coils and 20 x 2mm in 300m coils
Application Class Pressure Temperature	
8 bar	60°C, 70°C, 80°C
6 bar	95°C
Maximum working temperature	95°C
Maximum operating temperature	95°C
Construction 3 layer	PERT – adhesive layer – EVOH (Ethylene Vinyl – Alcohol Resin)
Standards	
ISO 22391	
DIN 4726	

Technical Specification	
Mechanical Properties	
Pipe roughness	0.007mm
Bending radius	5 x D = 80mm
Water capacity	16mm – 0.12 l/m
Thermal Properties	
Thermal conductivity	0.35W/m°C
Thermal expansion coefficient	1.8 x 10 ⁻⁴ m/m°C
Linear coefficient	0.026mm/m°C Standards Manufacturing
ISO 22391	Application class 4/5
Quality assurance ISO9001	2015



- A** - Polyethylene of Raised Temperature (PERT)
- B** - Adhesive Agent
- C** - EVOH Oxygen Barrier