

PERT EVOH Underfloor Heating 3 Layers Pipe



A Polyethylene of Raised Temperature (PERT)

B Adhesive Agent

C Evoh Oxygen Barrier

Product Features

Colour: Red

Size: 12 x 1.6mm 16 x 2mm 20 x 2mm.

Three layer barrier pipe constructed of polyethylene of raised temperature (PERT) inner layer and an EVOH outer layer.

Maximum operating temperature 95°C at 8 bar.

Coil Size: 16 x 2mm supplied in 200, 400m, 12x 1.6 mm supplied in 320 coils and 20 x 2mm in 300m coils.

ADVANTAGES

- Corrosion free
- Chemical-resistant
- Low weight
- Flexible and move-friendly
- High throughput thanks to smooth inner layer
- Good impact resistance
- Impermeable to Oxygen according to DIN 4726 (heating pipes)

STANDARD

ISO 22391

DIN 4726

Application Class Pressure Temperature

8 bar / 60°C 8 bar / 80°C

8 bar / 70°C 6 bar / 95°C

Maximum working temperature 95°C

Maximum operating pressure 8 bar

Construction 3 layer: PE-RT - Adhesive Layer - EVOH (Ethylene Vinyl-Alcohol Resin)

Mechanical properties

Pipe roughness 0.007mm

Bending radius 5 x D = 80mm

Water capacity 16mm - 0.12 l/m

Thermal properties

Thermal conductivity 0.35 W/m°C

Thermal expansion coefficient

1.8x10⁻⁴ m/m°C

Linear Coefficient 0.026 mm/m°K Standards Manufacturing

ISO 22391 Application class 4/5

Quality Assurance ISO9001 : 2015

AREAS of APPLICATIONS

- Underfloor Heating
- Industrial pipeline construction
- Radiator connection low temperature
- Geothermal installations

