



**A** Polyethylene of Raised Temperature(PERT)

**B** Adhesive Agent

**C** Evoh Oxygen Barrier

### Product Features

Colour: Red

Size:10 x 1.3mm 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 85°C at 6 bar.

Coil Size: 10 x 1.3mm supplied in 80,240m  
16 x 2mm supplied in 200, 400m, 12x 1.6 mm supplied in 80,320m coils and 20 x 2mm in 300m coils.

### ADVANTAGES

- Corrosion free
- Chemical-resistant
- Low weight
- Flexible an 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/ 85°C

Maximum working temperature 85°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<sup>-4</sup> 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

