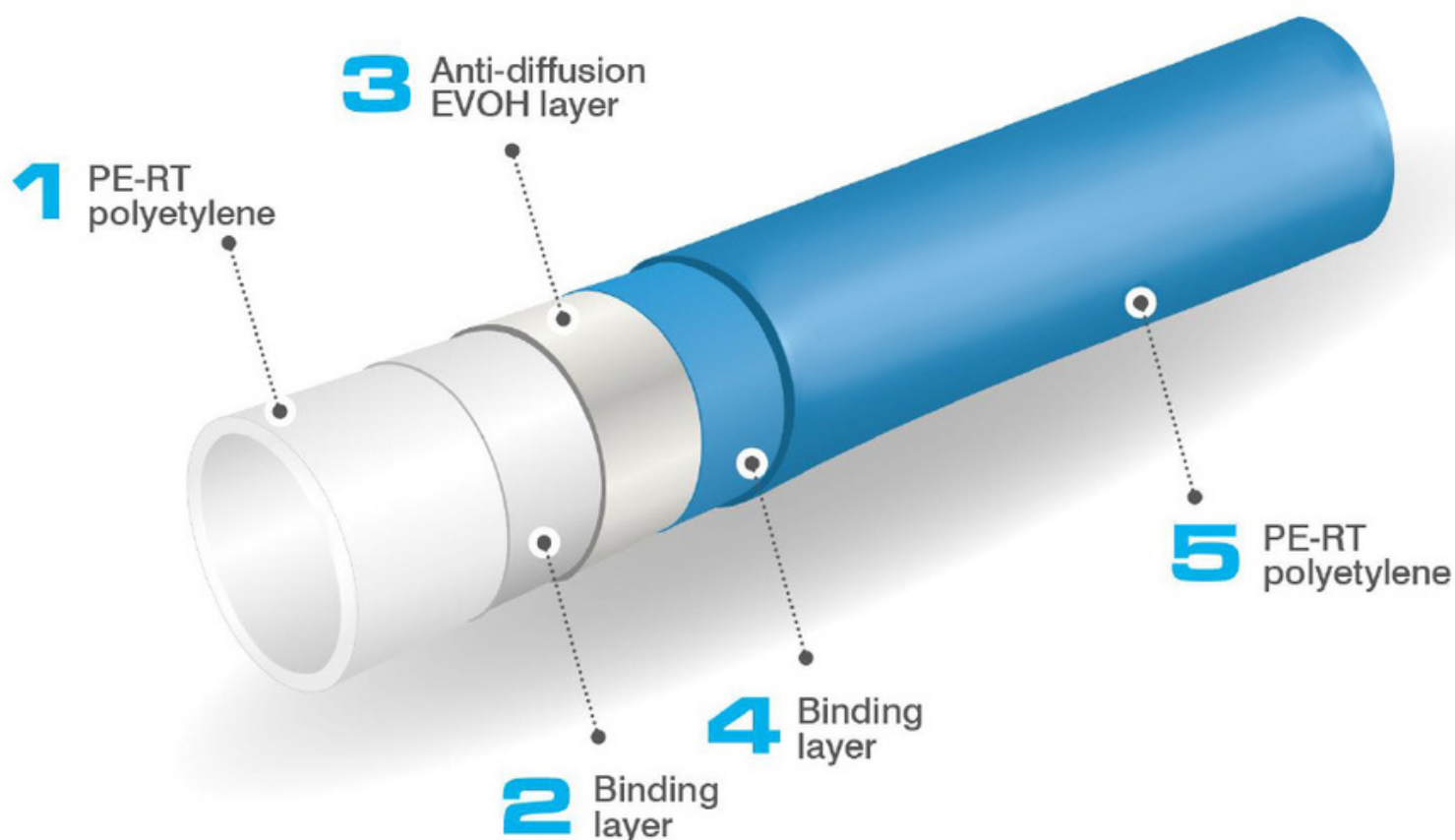


PERT-EVOH-PERT Underfloor Heating Pipes

Description.

Pert-Evoh-Pert underfloor heating pipes are high quality uniform pipes intended for radiant heating and cooling systems (class 4 acc. to ISO 10508). Pipes are made of five layers (polyethylene PE-RT type I – adhesive – EVOH anti-diffusion layer – adhesive – polyethylene PE-RT type I), where all layers are permanently bonded during the production process. Thanks to the utilisation of PERT, the pipes have an increased temperature resistance and high elasticity, Pert-Evoh-Pert underfloor heating pipes are easy to install even at low temperatures. The EVOH anti-diffusion layer guarantees prevention of oxygen permeability thus protecting the installation against corrosion. Pipes are made acc. to (PN)-EN ISO 21003-2 standard.





Technical data

Construction materials

polyethylene PE-RT type I; polyethylene adhesive; ethyl vinyl alcohol EVOH

Number of layers

5

Operating pressure

6 bar

Operating temperature

60 °C

Maximal temperature

70 °C

Malfunction temperature

100 °C

Antidiffusion layer

internal EVOH acc. to DIN 4726 permeability < 0,1 g/m³×24h of O₂

Thermal expansion coefficient

0,18 mm/m×K

Thermal transfer coefficient

0,41 W/m×K

Internal roughness

0,007 mm

Color

blue RAL 5007