



Plastic pipes easily and reliably

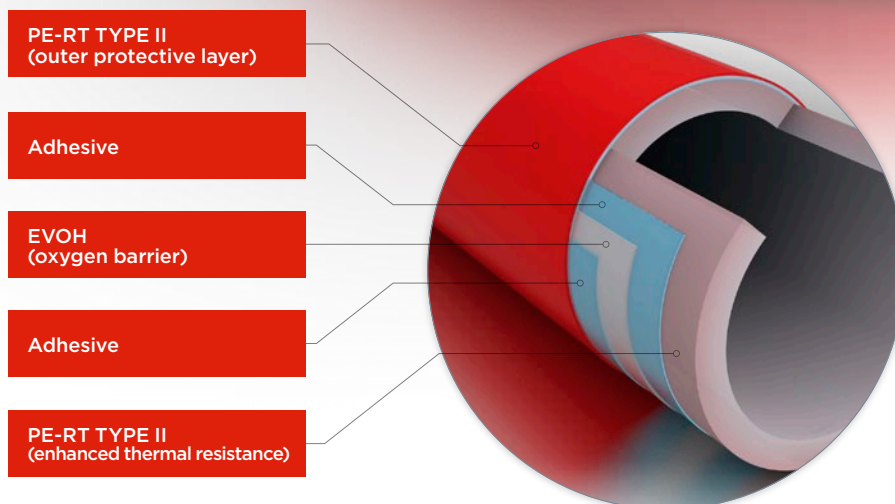
FV THERM PE-RT heating pipe

Five-layer pipe with an oxygen barrier $\varnothing 8 - \varnothing 20$ mm

NEW GENERATION POLYETHYLENE PE-RT II
WITH ENHANCED THERMAL RESISTANCE

EVOH OXYGEN BARRIER EXCEEDING
THE REQUIREMENT OF DIN 4726

ENHANCED PROTECTION AGAINST
MECHANICAL DAMAGE



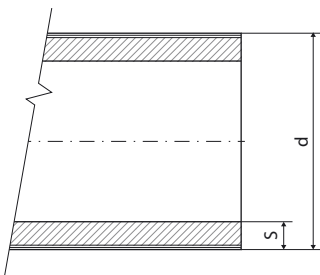
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FV THERM PE-RT heating pipe with an oxygen barrier $\varnothing 8 - \varnothing 20$ mm

Five-layer pipe with an oxygen barrier designed for surface heating and cooling circuits

Main advantages of the new five-layer FV THERM PE-RT pipes:

- Maximum application temperature of 90°C
- High resistance
- Oxygen barrier exceeding the requirement of DIN 4726
- Long-term pressure resistance 4 bar at a temperature of 70°C
- Warranty 15 years, minimum life 50 years



DIMENSIONS OF FV THERM PE-RT PIPES:

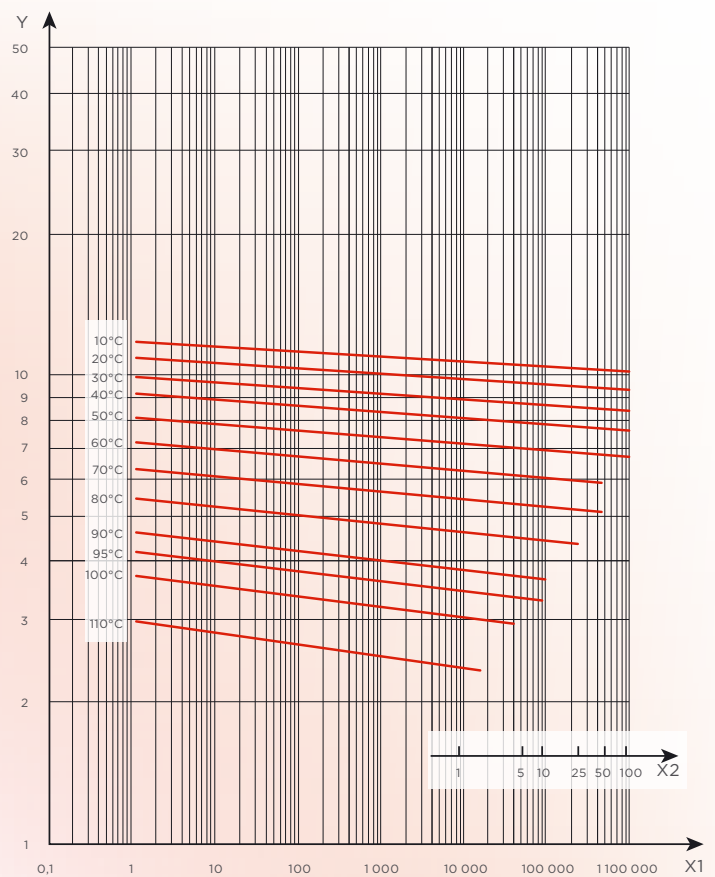
d [mm]	S [mm]	Weight [kg/m]
8	1,0	0,022
10	1,3	0,037
12	1,5	0,051
15	1,8	0,076
16	2,0	0,090
17	2,0	0,096
18	2,0	0,100
20	2,0	0,111

Packed in taped bundles in cartons of 200 metres or in wrapped taped bundles from 400 to 600 m

Suitable applications:

- Heating circuits for power supply to radiators of all types with temperature up to 70°C
- Heating circuits of floor, wall or ceiling heating
- Cooling circuits of surface ceiling cooling
- Heating circuits of industrial floors and open spaces
- Pitch heating

EXPECTED STRENGTH OF PE-RT TYPE II PIPES:



X1 time, t, to fracture, expressed in hours, X2 time, t, to fracture, expressed in years, Y hoop stress, σ , expressed in megapascal

Characteristics	Unit	Method	Value
Thermal conductivity coefficient at a temp. of 60°C	W/(m K)	DIN 52612-1	0,4
Coefficient of thermal expansion	10 ⁻⁴ /K	DIN 53752 A (20°C; 70°C)	1,8

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