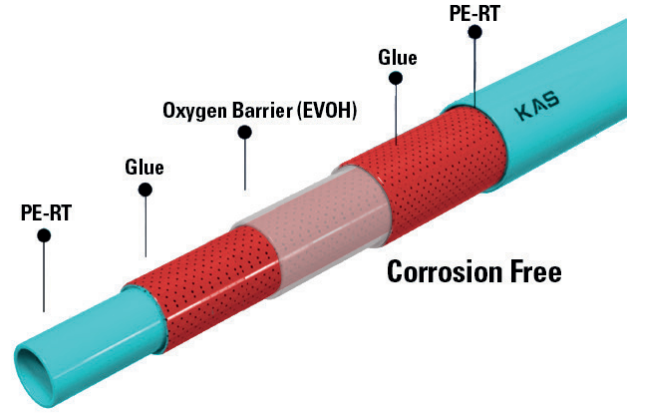


PE-RT Pipe 5 Layer

KAS®

TECHNICAL DATA SHEET	80.50.016-400
Product Name	Pe-Rt Pipe
Product Code	80.50.016-400
Dimension	16x2 mm (400 meters)
Relevant Standard	EN ISO 22391-2
Raw Material Type	Type-2
Oxygen Barrier & Layer Count	Oxygen Barrier – 5 Layers
Density (DIN 53497)	0.941 g/cm ³
Flexibility (DIN 53457)	600 N/mm ³
Minimum Bending Radius	190 mm
Thermal Conductivity	0.40 W/mK
Reaction to Fire Class (EN 13501-1)	E (Normally flammable)
Maximum Test Temperature	95°C
Maximum Operating Temperature	70°C
Maximum Operating Pressure	6 bar
Thermal Expansion Coefficient (40°C)	0.17 mm/(m·°C)
Surface Roughness	0.000416 mm
Application	In underfloor heating systems, it distributes the heat energy obtained from hot water evenly across the floor surface to heat the area.



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Sıcaklık °C	Servis Ömrü (Yıl)	16*2 mm PE-RT Boru Basınç (Bar)
20 °C	1	19,6
	5	19,3
	10	19,1
	25	18,9
	50	18,8
30 °C	1	17,9
	5	17,5
	10	17,4
	25	17,2
	50	17,0
40 °C	1	16,1
	5	15,8
	10	15,6
	25	15,4
	50	15,3
50 °C	1	14,4
	5	14,0
	10	13,9
	25	13,7
	50	13,6

Sıcaklık °C	Servis Ömrü (Yıl)	16*2 mm PE-RT Boru Basınç (Bar)
60 °C	1	12,6
	5	12,3
	10	12,2
	25	12,0
	50	11,8
70 °C	1	10,9
	5	10,6
	10	10,5
	25	10,3
	50	10,2
80 °C	1	9,2
	5	8,9
	10	8,8
	25	8,7
	50	8,5
95 °C	1	6,8
	5	6,6
	10	6,5

Güvenlik Faktörü = 1,5

