

TECHNICAL SHEET

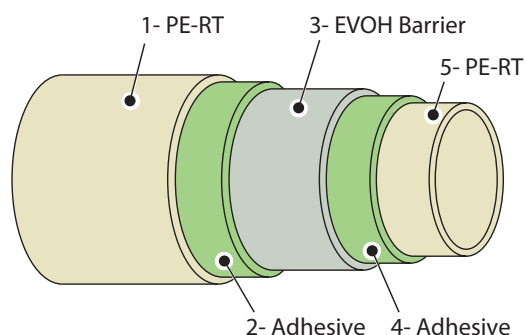


RDZ EASY 5-layer PE-RT (non-crosslinked Polyethylene of Raised Temperature) provided with EVOH anti-oxygen according to DIN 4726, it is suitable for underfloor heating and cooling systems.
Diameter 16 mm, Thickness 2 mm, Natural color.



Diameter (mm)	Roll (m)	Code
16	240	1014651
	600	1014650

Stratigraphy



The EVOH barrier is a thin layer of ethyl vinyl alcohol that prevents the permeability of the pipe and the diffusion of oxygen through it. This avoids the corrosion of the metallic parts and gives extended life of the whole installation.

The chemical resistance to building materials allows the PE-RT EVOH pipe to be embedded in walls and floors without the need for protection.

Application Area

Operating conditions according to:
EN ISO 22391

CLASS 4	For use with hot and cold water	T _{max} 70 °C	Pressure 8 bar
CLASS 5	For use with hot and cold water	T _{max} 90 °C	Pressure 6 bar

d _n (mm)	e _n (mm)	Water content (l/m)
16	2	0,113

d_n = outer diameter, e_n = wall thickness

Feature	Value	Unit
Density	> 941	Kg/m ³
Roughness factor	0,007	mm
Tensile resistance	> 22	N/mm ²
Elongation at break	> 400	%
Thermal expansion coefficient	1,8	10 ⁻⁴ /K
Thermal conductivity at 60°C	0,41	W / m • K
VICAT softening point	124,7	°C
Oxidation induction time (OIT)	> 40	min
Permeability O ₂ at 40°C	< 0,1	g/ m ³ • d