

DATA SHEET

NEOPE-RT PIPE

1. DESCRIPTION

The NEOPE-RT pipe features high heat resistance, 5 layers, and it is manufactured in accordance with EN ISO 22391. The oxygen barrier layer, EVOH, is inside the pipe, having a reduced risk of physical and chemical damage.

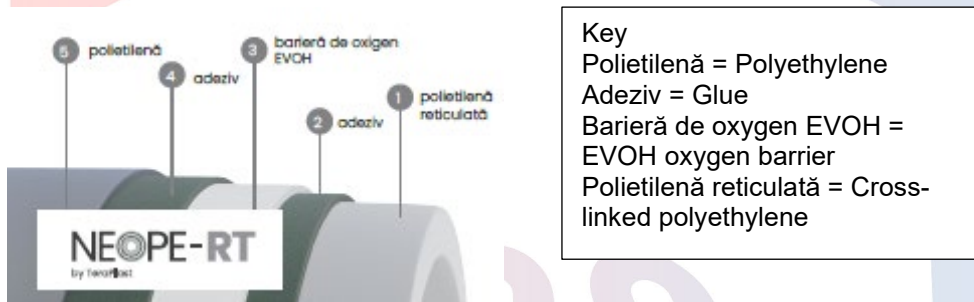


2. TECHNICAL CHARACTERISTICS

Density	0.941 Kg/m ³
Oxygen permeability at 40 °C	0.1 g/m ³ d
Minimum radius of curvature	5xD mm
Breaking strength	> 22 N/mm ²
Roughness	0.007 mm
Elongation at break	400%
Coefficient of thermal expansion	1.8 * 10 ⁻⁴
Material	Pe-RT type 2 as per EN ISO 22391
Maximum operating temperature	95 °C (110 °C for a short term)
Oxygen barrier	Oxygen barrier as per EN 1264-4
Dimensions	16x2, 17x2 mm
Coil lengths	100, 250, 600 m
Colour	Natural
Warranty	10 years

Maximum use pressure according to the application class and the pipe diameter:

Application classes	Application area	Pressure [bar]	
		D16 [mm]	D17 [mm]
Class 1	Hot water supply (60 °C)	8	8
Class 2	Hot water supply (70 °C)	8	8
Class 4	Low-temperature underfloor and radiator heating	8	8
Class 5	High-temperature radiator heating	8	6



Key
 Polietilenă = Polyethylene
 Adeziv = Glue
 Barieră de oxigen EVOH = EVOH oxygen barrier
 Polietilenă reticulată = Cross-linked polyethylene

PRODUCT RANGE

Diameter x thickness (mm)	Internal code	Article	Coil	kg/m	litre/m
			(m)		
16 x 2.0	NEOPERT16100	NEOPE-RT PIPE 16*2 L = 100 m NATURAL EVOH	100	0.082	0.113
	NEOPERT16250	NEOPE-RT PIPE 16*2 L = 250 m NATURAL EVOH	250		
	NEOPERT16600	NEOPE-RT PIPE 16*2 L = 600 m NATURAL EVOH	600		
17 x 2.0	NEOPERT17100	NEOPE-RT PIPE 17*2 L = 100 m NATURAL EVOH	100	0.089	0.133
	NEOPERT17250	NEOPE-RT PIPE 17*2 L = 250 m NATURAL EVOH	250		
	NEOPERT17600	NEOPE-RT PIPE 17*2 L = 600 m NATURAL EVOH	600		

3. PACKAGING AND STORAGE

The NEOPE-RT pipe coils are packaged in plastic film and stacked on pallets. It should be stored in a covered and dry place, protected from prolonged exposure to sunlight and other sources of heat that can irreparably damage the physical and chemical characteristics of the pipe.

4. WARRANTY PERIOD

The warranty period is 10 years from the date of delivery, provided that the customer/user fully complies with the transport, handling and mounting rules.

Average life: 50 years.

