

DATA SHEET

NEOPE-XA PIPE

1. DESCRIPTION

The NEOPE-XA pipe is a high-density polyethylene pipe, in 5 layers, cross-linked using the peroxide method, as per EN ISO 15875. The oxygen barrier layer, EVOH, is inside the pipe, having a reduced risk of physical and chemical damage. The degree and method of cross-linking used ensure the long-term resistance and the high flexibility of the pipe.

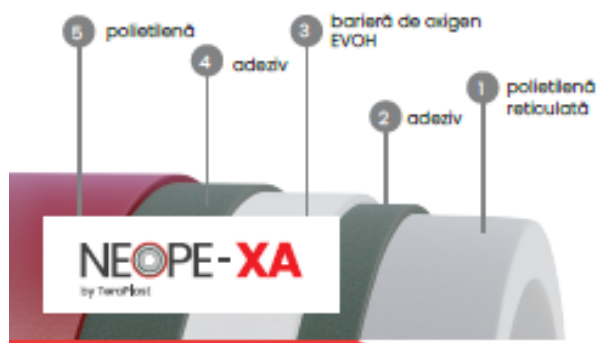


2. TECHNICAL CHARACTERISTICS

Density	0.951 kg/m ³
Cross-linking degree	> 70% weight
Oxygen permeability	0.08 g/m ³ d
Minimum radius of curvature	5xD mm
Specific heat	2.3 KJ/kg*K at 23 °C
Breaking strength	> 22 N/mm ²
Elongation	> 400%
Roughness	0.007 mm
Elastic modulus	800 N/mm ²
Heat transfer coefficient	0.35 - 0.38 W/mK

Material	Pe-Xa as per EN ISO 15875
Type of cross-linking	Cross-linking with organic peroxide
Maximum operating temperature	95 °C (110 °C for a short term)
Oxygen barrier	Oxygen barrier as per EN 1264-4
Dimensions	16x2, 17x2, 20x2 25x2.3, 32x2.9 mm
Coil lengths	4, 50, 100, 250, 600 m
Colour	natural, red
Warranty	10 years

Thermal inversion	< 2.5 % 120 °C, 1 hour	Maximum use pressure according to the application class and the pipe diameter:				
Coefficient of linear expansion	0.026 mm/m*K					
Application classes	Application area	Pressure [bar]				
		D16 [mm]	D17 [mm]	D20 [mm]	D25 [mm]	D32 [mm]
Class 1	Hot water supply (60 °C)	10	8	8	6	6
Class 2	Hot water supply (70 °C)	8	8	6	6	6
Class 4	Low-temperature underfloor and radiator heating	10	10	8	6	6
Class 5	High-temperature radiator heating	8	8	6	6	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	NEOPEX16100	NEOPE-XA PIPE 16*2 L = 100 m RED EVOH	100	0.08	0.113
	NEOPEX16250	NEOPE-XA PIPE 16*2 L = 250 m RED EVOH	250		
	NEOPEX16600	NEOPE-XA PIPE 16*2 L = 600 m RED EVOH	600		
17 x 2.0	NEOPEX17100	NEOPE-XA PIPE 17*2 L = 100 m RED EVOH	100	0.09	0.133
	NEOPEX17250	NEOPE-XA PIPE 17*2 L = 250 m RED EVOH	250		
	NEOPEX17600	NEOPE-XA PIPE 17*2 L = 600 m RED EVOH	600		
20 x 2.0	NEOPEX20100	NEOPE-XA PIPE 20*2 L = 100 m NATURAL EVOH	100	0.11	0.201
25 x 2.3	NEOPEX25100	NEOPE-XA PIPE 25*2.3 -100 m NATURAL EVOH	100	0.154	0.327

	NEOPEX2504	NEOPE-XA PIPE 25*2.3 L = 4 m NATURAL EVOH	4		
32 x 2.9	NEOPEX3250	NEOPE-XA PIPE 32*2.9 L = 50 m NATURAL EVOH	50	0.29	0.539
	NEOPEX3204	NEOPE-XA PIPE 32*2.9 L = 4 m NATURAL EVOH	4		

3. PACKAGING AND STORAGE

The NEOPE-XA 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.

