



PE-Xa EVOH

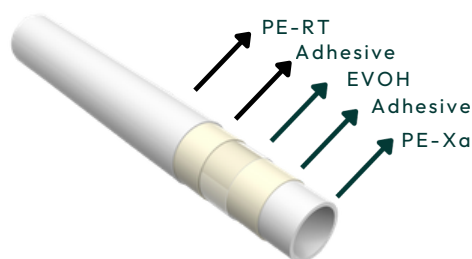
5 Layers

Physical Properties

Material	Cross-linked polyethylene type "a"
Density	$\geq 0.951 \text{ g/cm}^3$
Cross-linking degree	$\geq 70\%$
O ₂ permeability at 40 °C	$\leq 0.32 \text{ g/m}^2\cdot\text{d}$
Roughness	0.007 mm

Thermal Properties

Working temperature range according Standard: EN ISO 15875	20 °C to 90 °C
Operating Temperature Range	-10 °C to 90 °C
Heat reversal (120 °C, 1 hour)	$\leq 3\%$
Thermal conductivity	0.35 - 0.38 W/m*K
Specific heat (23 °C)	2.3 KJ/kg*K
Coefficient of linear expansion	0.026 mm/m*K



5 layers

Dimensions

Description (mm)	Diameter tolerance (mm)	Thickness tolerance (mm)
12 x 1,1	12,0 - 12,30	1,10 - 1,40
12 x 2,0	12,0 - 12,30	1,10 - 1,40
14 x 2,0	14,0 - 14,30	2,00 - 2,30
15 x 1,5	15,0 - 15,30	1,50 - 1,80
15 x 2,5	15,0 - 15,30	2,50 - 2,80
16 x 1,5	16,0 - 16,30	1,50 - 1,80
16 x 1,8	16,0 - 16,30	1,80 - 2,10
16 x 2,0	16,0 - 16,30	2,00 - 2,30
16 x 2,2	16,0 - 16,30	2,20 - 2,50
17 x 2,0	17,0 - 17,30	2,00 - 2,30
18 x 2,0	18,0 - 18,30	2,00 - 2,30
18 x 2,5	18,0 - 18,30	2,50 - 2,80
20 x 1,9	20,0 - 20,30	1,90 - 2,20
20 x 2,0	20,0 - 20,30	2,00 - 2,30
20 x 2,8	20,0 - 20,30	2,80 - 3,10
22 x 3,0	22,0 - 22,30	3,00 - 3,30
25 x 2,3	25,0 - 25,30	2,30 - 2,50
25 x 3,5	25,0 - 25,30	3,50 - 3,80
28 x 3,0	28,0 - 28,30	3,00 - 3,30
32 x 2,9	32,0 - 32,30	2,90 - 3,20
32 x 4,4	32,0 - 32,30	4,40 - 4,70

Other dimensions and colours are available on request

Certifications

- QB (France)
- AFNOR(France)
- AENOR (Spain)
- SKZ (Germany)
- DIN CERTCO (Germany)
- IIP (Italy)
- KOMO (Netherlands)
- SINTEF (Scandinavia)
- WRAS (United Kingdom)

Standard

- EN ISO 15875

Applications

- Underfloor heating
- Cooling systems
- Hot and cold water distribution Industrial installations
- Snow removal and surface deicing systems
- Surface heating/cooling (floor, wall and ceiling)



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Classification according to service conditions

Class	Temperatures	Design temperature	Malfunction temperature	Applications
1	+ 60°C - 49 years	80°C - 1 year	95°C - 100 h	Hot water supply
2	+ 70°C - 49 years	80°C - 1 year	95°C - 100 h	Hot and cold water distribution
4	+ 20°C - 2.5 years	70°C - 2.5 years	100°C - 100 h	Underfloor heating and low temperature radiators
	+ 40°C - 20 years			
	+ 60°C - 25 years			
5	+ 20°C - 14 years	90°C - 1 year	100°C - 100 h	High temperature radiators
	+ 60°C - 25 years			
	+ 80°C - 10 years			

