

## Cross-linked polyethylene PEXa - EVOH - Oxigen Barrier - 5 layer

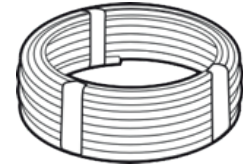


### MATERIAL SPECIFICATION

Xa peroxide system  
EVOH - Ethylene Vinyl Alcohol

### BRAND

EvoPEX EVOH  
SharkBite PEXa EVOH  
OEM brand

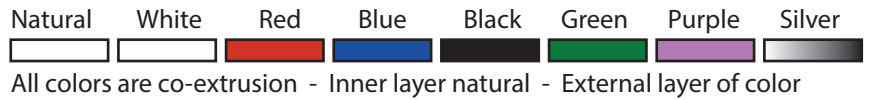


### DIMENSIONS & LENGHT mm

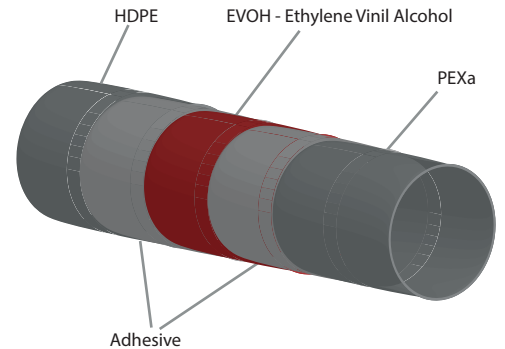
ø 16x2,0	50 - 100 - 120 - 200 - 240 - 500 m
ø 20x2,0	50 - 100 - 120 - 200 - 240 - 500 m
ø 25x2,3	25 - 50 - 100 m
ø 32x2,9	25 - 50 - 100 m

ø 16x2,2	50 - 100 - 120 - 200 - 240 - 500 m
ø 20x2,8	50 - 100 - 120 - 200 - 240 - 500 m
ø 25x3,5	25 - 50 - 100 m
ø 32x4,4	25 - 50 - 100 m

### COLORS



### FIELDS OF APLICATION



	ø 16x2,0	ø 20x2,0	ø 25x2,3	ø 32x2,9
Internal diámetro (mm)	12,0	16,0	20,4	26,2
Volume of liquid (l/m)	0,113	0,201	0,327	0,539
Max. temperature (°C)	95	95	95	95
Max. pressure (95°C)	8 bar	6 bar	6 bar	6 bar
Min. bending radius/hot	35 mm	45 mm	55 mm	100 mm
Min. bending radius/cold	35 mm	90 mm	125 mm	165 mm
Burst pression at +20°C	50 bar	42 bar	35 bar	40 bar

	ø 16x2,2	ø 20x2,8	ø 25x3,5	ø 32x4,4
Internal diámetro (mm)	11,6	14,4	18,0	23,2
Volume of liquid (l/m)	0,106	0,163	0,250	0,423
Max. temperature (°C)	95	95	95	95
Max. pressure (95°C)	10 bar	10 bar	10 bar	10 bar
Min. bending radius/hot	35 mm	45 mm	55 mm	100 mm
Min. bending radius/cold	35 mm	90 mm	125 mm	165 mm
Burst pression at +20°C	62 bar	53 bar	45 bar	50 bar

### Gas barrier properties of EVOH

Gas		GTR (cm <sup>3</sup> .20µm/m <sup>2</sup> .day.atm)
Oxygen	O <sub>2</sub>	0.18
Nitrogen	N <sub>2</sub>	0.017
Carbon monoxide	CO	0.25
Carbon dioxide	CO <sub>2</sub>	0.59
Methane	CH <sub>4</sub>	0.4
Ethylene	C <sub>2</sub> H <sub>4</sub>	0.1
Butane	C <sub>4</sub> H <sub>10</sub>	0.1
Chlorine	Cl <sub>2</sub>	0.022
Sulphur Dioxide	SO <sub>2</sub>	0.3

Measuring conditions: 23°C - 0%RH (ASTM D1434T) - Properties of EVOH - ethylene content = 32 mol%

### Manufactured in conformity with the following international standards

**ISO 15875.** Plastic piping systems for hot and cold water installations – cross-linked polyethylene (PE-X).

**AS/NZS 2492.** Cross-linked polyethylene (PE-X) pipes for pressure applications.

**ASTM - F876.** Standard Specification for Cross-linked polyethylene (PEX) tubing.

**DIN 4726.**