

Cross-linked polyethylene PEXa pipe

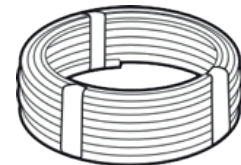


MATERIAL SPECIFICATION

Xa peroxide system

BRAND

EvoPEX
SharkBite PEXa
OEM brand



DIMENSIONS & LENGTH mm

ø 1/2"	50 - 100 - 200 - 500 m
ø 3/4"	50 - 100 - 200 - 500 m
ø 1"	25 - 50 - 100 - 200 m

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



All colors are co-extrusion - Inner layer natural - External layer of color

FIELDS OF APPLICATION



Drinking Water
Supply



Heating by
Radiators



Sanitary Hot
Water



Cold Water
Supply



Underfloor Heating
& Cooling

Internal diámetro (mm)
Volume of liquid (l/m)
Max. temperature (°C)
Max. pressure (95° C)
Min. bending radius/hot
Min. bending radius/cold
Burst pressure at +20° C

ø 16x2,0	ø 20x2,0	ø 25x2,3	ø 32x2,9
12,0	16,0	20,4	26,2
0,113	0,201	0,327	0,539
95	95	95	95
8 bar	6 bar	6 bar	6 bar
35 mm	45 mm	55 mm	100 mm
35 mm	90 mm	125 mm	165 mm
50 bar	42 bar	35 bar	40 bar

Internal diámetro (mm)
Volume of liquid (l/m)
Max. temperature (°C)
Max. pressure (95° C)
Min. bending radius /hot
Min. bending radius /cold
Burst pressure at +20° C

ø 16x2,2	ø 20x2,8	ø 25x3,5	ø 32x4,4
11,6	14,4	18,0	23,2
0,106	0,163	0,250	0,423
95	95	95	95
10 bar	10 bar	10 bar	10 bar
35 mm	45 mm	55 mm	100 mm
35 mm	90 mm	125 mm	165 mm
62 bar	53 bar	45 bar	50 bar

Table 1 — Classification of service conditions

Application class	Design temperature, T _D °C	Time ^a at T _D years	T _{max} °C	Time at T _{max} years	T _{mal} °C	Time at T _{mal} h	Typical field of application
1 ^a	60	49	80	1	95	100	Hot water supply (60 °C)
2 ^a	70	49	80	1	95	100	Hot water supply (70 °C)
4 ^b	20 Followed by 40 Followed by 60 Followed by (see next column)	2,5 20 25	70	2,5	100	100	Underfloor heating and low temperature radiators
5 ^b	20 Followed by 60 Followed by 80 Followed by (see next column)	14 25 10	90	1	100	100	High temperature radiators

^a A country may select either class 1 or class 2 to conform to its national regulations.

^b Where more than one design temperature appears for any class, the times should be aggregated (e.g. the design temperature profile for 50 years for class 5 is: 20 °C for 14 years followed by 60 °C for 25 years, 80 °C for 10 years, 90 °C for 1 year and 100 °C for 100 h).

NOTE: For values of T_D, T_{max} and T_{mal} in excess of those in this table, this standard does not apply.

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.