

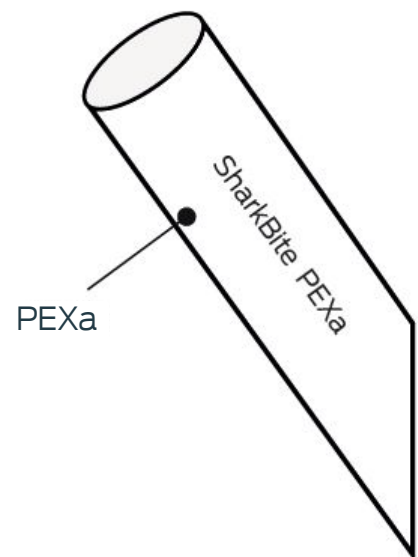
SharkBite® PEXa

Piping made of cross-linked polyethylene for hot and cold water supply. Manufactured to ISO 15875, AS 2492 and ASTM F876.

The raw material of PEX is HDPE (high density polyethylene) and contains bonds in the polymer structure that completely change its characteristics, changing the thermoplastic to a thermoset.

The cross-linking process of PEXa (carried out during extrusion by the peroxide method, in our case, by Infrared System I.R.). The cross-linking, greater than 70%, is carried out at a temperature higher than the melting point of HDPE polyethylene. The material is extruded and then immediately maintained at high temperatures and/or pressures. During this process, the peroxide decomposes into free radicals and reacts with the polymer, creating chains that are connected to each other in a three-dimensional network by chemical bonds. This process provides a higher level of mechanical and thermal resistance.

Pipe with excellent chemical resistance, no lime scale, no corrosion, flexible, low weight, impact resistance and excellent thermal memory.



Benefits & Advantages

- Suitable for potable water.
- Flexible and easy to install.
- Corrosion-free.
- Chemical resistant.
- High resistance to low temperatures.
- Low weight.
- Abrasion resistant.
- Low roughness coefficient.
- Excellent thermal memory.
- Low thermal conductivity.
- Free of deposits.
- Repairable in the event of strangulation.



001/6597
ISO15875

Reference	Seccion	Colour	Length (m)	Applications
S81618S4T100	16x1.8	Natural	100	<ul style="list-style-type: none"> • Potable water. • Sanitary hot water. • Industrial applications. • Food industry. • Chemical industry. • Pharmaceutical industry. • Petrochemical industry.
S81618S4T200	16x1.8	Natural	200	
S820S5T100	20x1.9	Natural	100	
S820S5T200	20x1.9	Natural	200	
S825S5T100	25x2.3	Natural	100	
S832S5T50	32x2.9	Natural	50	
S816S4T4	16x1.8	Natural	4(148)	
S820S4T4	20x1.9	Natural	4(112)	
S825S5T4	25x2.3	Natural	4(68)	
S832S5T4	32x2.9	Natural	4(44)	

Compatibility	NEXUS	PRESS	SPEEDFIT
Ø 16x1.8	✓	✓	✓
Ø 20x1.9	✓	✓	✓
Ø 25x2.3	✓	✓	X
Ø 32x2.9	✓	✓	X

Parameters	16x1.8	20x1.9	25x2.3	32x2.9
External diameter (mm)	16	20	25	32
Pipe thickness (mm)	1.8	1.9	2.3	2.9
Internal diameter (mm)	12.4	16.2	20.4	26.2
Outer diameter tolerance (mm)	+ 0.3	+ 0.3	+ 0.3	+ 0.3
Linear expansion (mm/m.K)	0.020	0.020	0.020	0.020
Thermal conductivity (W/m.K)	0.400	0.400	0.400	0.400
Roughness (mm)	0.007	0.007	0.007	0.007
Maximum temperature (°C)	95	95	95	95
Minimum temperature (°C)	-40	-40	-40	-40
Maximum pressure 95°C (Bar)	8	8	8	8
Weight of 1 m pipe (kg/m)	0.086	0.120	0.177	0.274
Internal volume 1 m pipe (l/m)	0.117	0.201	0.315	0.531
Min. cold bending radius 23 (mm)	80	100	125	160

Pipeline Marking



SharkBite PEXa - Ø 16 x 1.8 - PE Xa - A - Class 1/8 bar - 2/8 bar - 4/10 bar - 5/8 bar - UNE EN ISO 15875 - Made in Spain - Linea X - Lo XXXXddmmaa / hh:mm - T/OP - XXX m