



Luxusheat FlexiPEX

KEY BENEFITS >>>

- Smooth bore to prevent scaling
- Incorporates an oxygen diffusion barrier preventing the ingress of oxygen
- Quick, clean and simple
- Manufactured to strict European standards
- Maximum Temperature: 95°
- Highly flexible for ease of installation
- Suited to large volume UFH installers
- Made in EU

25 YEAR PIPE WARRANTY



PRODUCT LIST >

FLEXIPEX PIPE COILS

COIL SIZE	PRODUCT CODE
12x2.00mm x 85m	1285FP
12x2.00mm x 150m	12150FP
16x2.00mm x 80m	1680FP
16x2.00mm x 100m	16100FP
16x2.00mm x 120m	16120FP
16x2.00mm x 240m	16240FP

< OVERVIEW

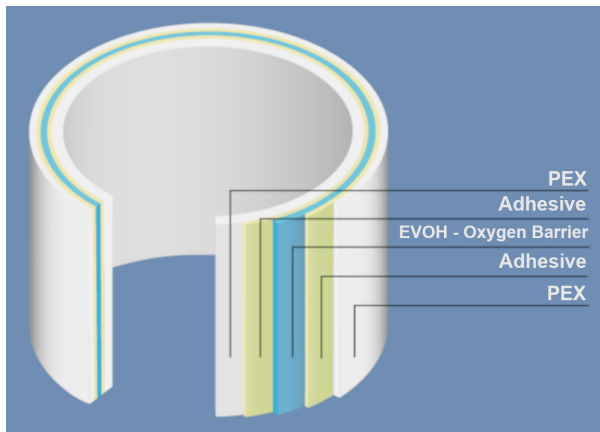
The Luxusheat FlexiPEX is a cross linked polyethylene (PE-Xa) pipe. It consists of five layers a PE-X, primer and an EV-OH oxygen barrier. The pipe incorporates an oxygen diffusion barrier to protect the system from oxygen permeation.

The Luxusheat FlexiPex pipe is rigorously tested to enable the pipe system to have a service life not less than 50 years.



Luxusheat FlexiPEX

PRODUCT CHARACTERISTICS >>>



Our PEX-a crosslinked polyethylene pipe is manufactured using the Organic Peroxide method, having as a result the highest quality PEX pipes on the market and being Certified by the main European Institutes (AENOR, SKZ, CSTB, IIP) complying with the UNE-EN ISO 15875 European regulations and ISO 9001

Physical Characteristics

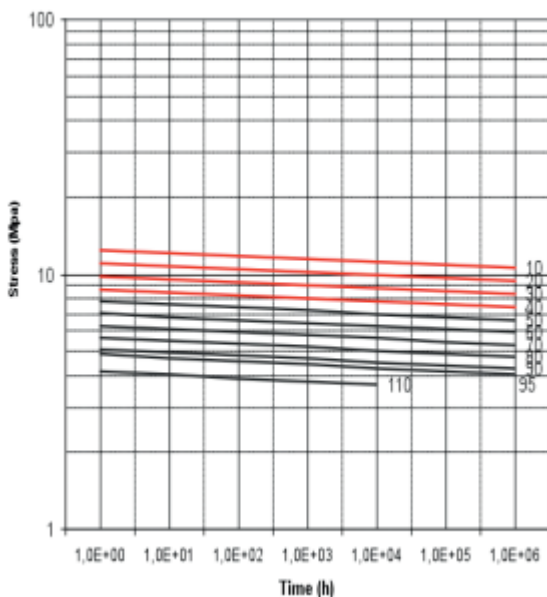
Characteristic	Value	Unit
Density	951	Kg/m ³
Crosslinking Degree	>70	% weight
Roughness	0.007	mm
Weight	96	g/m
Volume	0.13	l/m

Thermal Characteristics

Characteristic	Value	Unit
Maximum service temperature	95	°C
Maximum high temperature	110	°C
Heat reversion 120°C heat; 1 hour	<2.5	%
Specific heat at 23°C	2.3	KJ/kg-K
Thermal conductivity	0.35 - 0.38	W/ m·K
VICAT temperature	130 - 132	°C
Permeability O ₂	0.08	g/m ³ d
Lineal extension coefficient	0.026	mm/m°K

Regression Curves >

PEX-a



Mechanical Characteristics

Characteristic	Value	Unit
Tensile resistance	>22	N/mm ²
Elongation at break	>400	%
Modulus of elasticity at 20°C	<800	Hours
Internal pressure resistance s=4.8 Mpa, 95°C	>1	Hours
Internal pressure resistance s=4.6 Mpa, 95°C	>22	Hours
Internal pressure resistance s=4.4 Mpa, 95°C	>165	Hours
Internal pressure resistance s=4.4 Mpa, 95°C	>1000	Hours
Internal pressure resistance s=2.5 Mpa, 110°C	>1	Year