

RANGE OF MULTILAYER PIPES

PEX-AL-PEX Multilayer Pipes

Specifications	Length per coil (m)	Color(outer/inner)	Application
B1-1216	100/200	White/Transparent Yellow/Transparent Black/Transparent Orange/Transparent Green/Transparent Red/Transparent Purple/Transparent	Supply of cold and hot water, Unferfloor heating
B1-1620	100/200		
B1-2025	50/100		
B1-2632	50/100		
B1-3240	6		
B1-4150	6		
B1-5163	6		

PERT-AL-PERT Multilayer Pipes

Specifications	Length per coil (m)	Color (outer/inner)	Application
B-1216	100/200	White/ Transparent	Supply of cold and hot water, Unferfloor heating
B-1620	100/200		
B-2025	50/100		
B-2632	50/100		
B-3240	50/100		
B-4150	6		
B-5163	6		
B-6075	6		

HDPE-AL-HDPE Multilayer Pipes

Specifications	Length per coil (m)	Color (outer/inner)	Application
A-1216	100/200	White/White	Supply of cold water
A-1620	100/200		
A-2025	50/100		
A-2632	50/100		
A-3240	50/100		
A-4150	50/100		

CERTIFICATES



RIFENG MULTILAYER PLUMBING SYSTEM



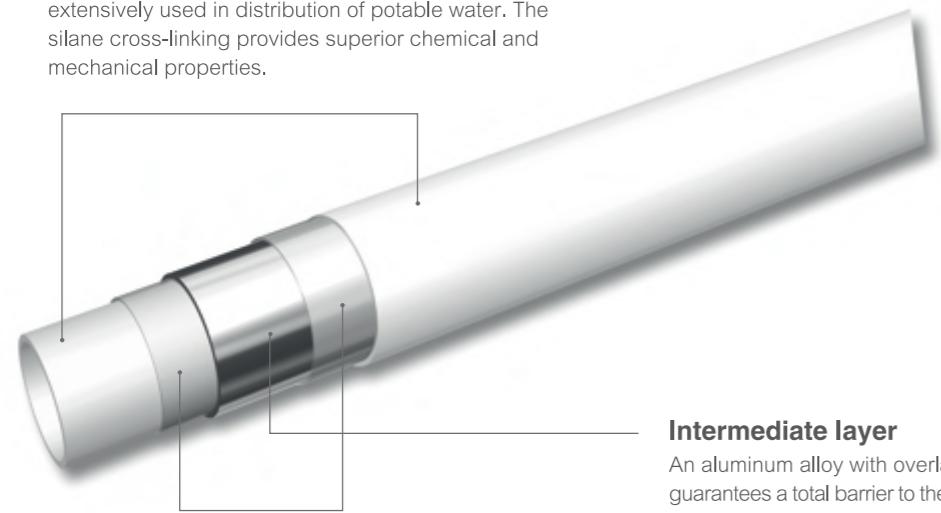
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RIFENG PEX-AL-PEX PIPES

External and internal layers

They are made of cross-linked polyethylene that is extensively used in distribution of potable water. The silane cross-linking provides superior chemical and mechanical properties.



Intermediate layer

An aluminum alloy with overlapped welding that guarantees a total barrier to the passage of oxygen and light and provides excellent mechanical and chemical properties.

Bonding layers

They are made of a powerful adhesive that bonds the intermediate aluminum layer with the internal and external layers.



RIFENG MULTILAYER PIPES

Advantages of Rifeng Multilayer Pipes

- Corrosion-resistant
- Barrier to the permeation of oxygen and light
- Guaranteed lifetime up to 50 years
- Light in weight and flexible
- Smooth inner wall ensures low pressure loss
- Ideal for plumbing solutions

Technical Data

Diameter(mm)	14	16	18	20	25	32	40	50	63	75
Inner diameter(mm)	10	12	14	16	20	26	32	41	51	63
Material	HDPE-AL-HDPE, PERT-AL-PERT, PEX-AL-PEX									
Wall thickness(mm)	2	2	2	2	2.5	3	4	4.5	6	7.5
Roughness(mm)	0.0007									
Thermal conduction (w/mk)	0.45									
Thermal coefficient of expansion mm/mxK	0.025									
Maximum operating temperature(°C)	60°C for HDPE-AL-HDPE pipes, 95°C for PERT-AL-PERT and PEX-AL-PEX pipes									
Maximum operating pressure(bar)	10 bar									
Minimal manual bending radius(mm)	70	80	90	100	125	160	6			
Coil length(m)	200	200	200	200	200	100	33.4±2	6	6	6
Weight per coil(kg/m)		18.6±2	22.0±2	26.0±2	29.2±2	21.5±2				

RIFENG FITTINGS

F1 Compression Fittings

- Removable and reusable
- Quick and simple installation
- Excellent sealing performance
- Suitable for distribution of potable water

F5 Press Fittings

- U pressing profile
- Cost-effective
- Ease of installation

F9 Press Fittings

- TH pressing profile
- Excellent sealing performance
- Leakage detection during system testing in case of inadequate pressing

