

# RIFENG MULTILAYER PLUMBING SYSTEM



# RIFENG MULTILAYER 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.

### 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	60
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/mK	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				
Coil length(m)	200	200	200	200	200	100	6	6	6	6
Weight per coil(kg/m)		18.6±2	22.0±2	26.0±2	29.2±2	21.5±2	33.4±2			



# 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, Underfloor 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		



# FITTINGS FOR MULTILAYER PIPES

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



# CERTIFICATES



AUSTRALIA



AUSTRALIA



USA



USA



GERMANY



NETHERLANDS



FRANCE



FRANCE



SPAIN



UK



FINLAND



## ABOUT RIFENG

Established in 1996, Rifeng Enterprise Group Co.Ltd has been committed to developing high-quality and environmental-friendly piping products that cover the plumbing, indoor climate, drainage, and gas applications etc. The company has upgraded its product range from multilayer pipes to PEX, PP-R, PVC and brass hardware and strives to provide professional systematic solutions.



Management  
System  
ISO 9001:2015

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