



浙江铭仕兴暖通科技有限公司
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Dimensional Characteristics

Codes	UOM code				
Outer diameter of PERT-AL-PERT pipe	mm	16	20	25	32
Sheath thickness for insulated pipe	mm	8	8	8	8
Diameter PERT-AL-PERT pipe+sheath	mm	32	36	41	48
Aluminium thickness of PERT-AL-PERT pipe	mm	0.21	0.26	0.32	0.4
Roll length	m	50	50	50	50

Technical Specifications for PERT-AL-PERT Pipe

Sizes		16	20	25	32
Volume of water	l/m	0.113	0.201	0.314	0.531
Pipe material		PERT/Al/PERT multilayer pipe			
Field of application		Plumbing in civil, industrial and commercial applications			
Fluid		Potable water, technical water, and water glycol(*)			
Internal roughness	μm	0.23			
Sheath thermal conductivity at 40°C	W/mk	0.45			
Oxygen permeability	mg/l	0			
Continuous use temperature	°C	60--85			
Max peak temperature	°C	110			
Minimum operating temperature(*)	°C	-30			
Maximum operating pressure at 95°C	bar	10			
Maximum operating pressure at 20°C	bar	30			
Storage		Avoid prolonged exposure to direct sunlight			
Minimum bend radius		5 times the diameter			

Technical Specifications for Insulated Pipe

Sheath material		closed-cell polyethylene LD-PE
Scratch-resistant finish layer		closed-cell polyethylene LD-PE
Field of application		Plumbing in civil, industrial and commercial applications
Sheath thermal conductivity at 0°C	W/mk	0.034
Sheath thermal conductivity at 20°C	W/mk	≤0.0442
Sheath thermal conductivity at 40°C	W/mk	≤0.033
Sheath density	kg/m³	35 to 45
Water Absorption	%	≤0.3
Moisture Content	%	≤1
Continuous use temperature	°C	-30--50
Colour of Sheath		Red and Blue
Storage		Avoid prolonged exposure to direct sunlight
Minimum bend radius		5 times the diameter

(*)Reference is made to a sheathed pipe and the use of a suitable water glycol mix.

RECOMMENDATIONS: Avoid outdoor installation and/or in unheated environments.

OUR QUALITY ASSURANCE




















3 manufactories, over 100,000 m² production area



Annual Capacity: 60,000,000 meters of pipes
4,500 tons of brass fittings
Quality Control: 3 internal laboratories
Worldwide Market: exports to 38 countries





