

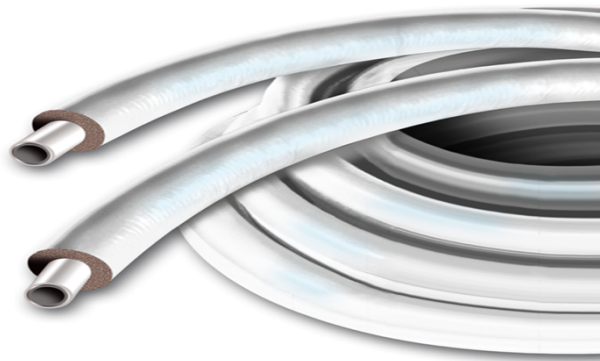
Polytherm Presstite Technical Data for Pre-Insulated Multilayer Pipes

Outer pipe diameter	mm	16	20	26	32
Tolerances on the outer pipe diameter mm	Min	16.0	20.0	26.0	32.0
	Max	16.2	20.2	26.2	32.2
Tolerances on the inner pipe diameter mm	Min	11.9	15.9	19.9	25.9
	Max	12.2	16.2	20.2	26.2
Wall thickness	mm	2	2	3	3
Tolerances on wall thickness mm	Min	2	2	2.9	2.9
	Max	2.25	2.25	3.2	3.2
Minum wall thickness of the inside layer mm	mm	0.9	1.0	1.1	1.2
Minum wall thickness of the outside layer mm	mm	0.4	0.4	0.4	0.4
Mimumum wall thickness of the aluminium layer m	mm	0.21	0.25	0.32	0.32
Max working pressure	bar	10	10	10	10
Water content	lt/min	0,113	0,189	0,314	0,49
Manual bending radius	mm	80	100	130	160
Bending radius with of multilayer with bending tool	mm	45	60	94	116
Main insulation material wall thickness	mm	10	10	10	10
Rolls per pallet	no.	14 or 10	11	10	11
Roll length	mt	50m or 100m	50	50	25
Metres per pallet	mt	700 or 1000m	550	500	275

Max working temperature	°C	95
Max peak temperature	°C	110
Crosslinking rate	%	≥ 65
Inner wrinkling	mm	0,007
Thermal dilation rate	mm/m °C	0,026
Main insulation material density	kg/m ³	30±3
Water steam diffusion	m	³ 11.000
Thermal conductivity on the insulation material	W/m*k	0,038 at 40°C

Composition of the multilayer pipe	PEX-b - Aluminium - PEX-b
Drinkable water comformity	Ministry Decree 174/2004
Type of main insulation material	Expanded low density polyethylene
Composition of the main insulation material	Compliance with the Directive 2002/95/EC RoHS DIRECTIVE
Blowing agent	HCFC and CFC free
Type of secondary coating	Isobutane
Colour of main insulation skin material	Low density polyethylene outer skin
Colour of outer PE skin	Natural white
Fire reaction rating	White
	Italian CLASS 1 according to the Ministry Decree 26/06/1984
	DIN 4102-1 B2 on demand

PRESSTITE



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