
WATERTITE

TECHNICAL DATA



PEX-AL-PEX PIPE

WATERTITE Pex-Al-Pex Technical Properties

Specification	16x2.0	20x2.0	25x2.5	32x3.0
Outer diameter [mm]	16	20	25	32
Wall thickness [mm]	2	2	2.5	3
Inner diameter [mm]	12	16	20	26
Weight [g/m]	103	143	240	393
Thermal conductivity (med value) [W/mK]	0.43	0.43	0.43	0.43
Thermal expansion coefficient [mm/mK]	0.024	0.024	0.024	0.024
Surface roughness (inner pipe) [μm]	1.5	1.5	1.5	1.5
Oxygen diffusion [mg/l/d]	0	0	0	0
Max. operating temperature [$^{\circ}\text{C}$]	70	70	70	70
Short-term max. operating temperature [$^{\circ}\text{C}$]	95	95	95	95
Max. operating pressure (at 70 $^{\circ}\text{C}$) [bar]	10	10	10	10
Short-term max. pressure (at 95 $^{\circ}\text{C}$) [bar]	10	10	10	10
Bend radius at free bending	5.0xD	5.0xD	8.0xD	8.0xD
Bend radius with bending tools	3.5xD	3.5xD	5.0xD	5.0xD

WATERTITE Pex-Al-Pex Manufacturing Parameters

Specification	Min Bursting Force (Mpa)	Std Working Pressure (Mpa)	Std Temp $^{\circ}\text{C}$	Long Term Hydrostatic Strength	AL Thickness (mm)
16 x 2.0 (1/2")	8	1	-40~95	1h 20 $^{\circ}\text{C}$ 40 bar	0.20
20 x 2.0 (5/8")	7	1	-40~95	165h 95 $^{\circ}\text{C}$ 16 bar	0.25
25 x 2.5 (3/4")	6	1	-40~95	1000h 95 $^{\circ}\text{C}$ 15 bar	0.25
32 x 3.0 (1")	5.5	1	-40~95	8760h 110 $^{\circ}\text{C}$ 10 bar	0.30

FOR MORE INFORMATION ABOUT WATERTITE CALL

0800 246 810

1800 173 000

Leap Australasia Ltd
61 Port Road
PO Box 38-159
Lower Hutt 5045
New Zealand

t: + 64 4 568 9424
f: + 64 4 568 9423
www.leapltd.co.nz

Leap Australasia Pty Ltd
95b Cheltenham Road
Dandenong
Victoria 3175
Australia

t: + 61 3 9791 2462
f: + 61 3 9791 2409
www.leapltd.com.au

