

MULTILAYER THERMO[®]
L 10/91

INSULATED Pex/Al/Pex COMPOSITE PIPE
HYDRIC / HEATING

TECHNICAL SPECIFICATIONS

POLYETHYLENE FOAM INSULATION

The polyethylene foam assures thermal insulation from surroundings.

LOW DENSITY POLYETHYLENE FOAM: closed cells foam, CFC and HCFC gases free, according to CEE/UE 2037/2000.

THERMAL CONDUCTIVITY: at 40°C: $\lambda = 0,038 \text{ W/(mK)}$, as per ISO 8497.

MOISTURE DIFFUSION COEFFICIENT: $\mu = 6.100$ according to EN 13469 ($\mu = 19.700$ if required).

AVERAGE BULK DENSITY: 30 kg/m^3 .

SURFACE COVERING: grants repair from mechanical damages.

COLOUR: BLUE OR RED.

WORKING CONDITIONS: inner fluid minimum temperature 7°C; external maximum temperature: 27°C; external maximum relative humidity: 50%.

THICKNESS: according to law 10/91 relative DPR

412/93(tab.1 add.B) in condition of water temperature 40°C and pipe layout inside not facing outdoor nor cold rooms structures. For different applications please refer to product table or contact directly the company.

FIRE RESISTANCE: self-extinguish class 1, according to DM 26/06/1984 up-dated DM 03/09/2001.

MARKING: insulation is marked progressively every meter.

APPLICATIONS: heating systems, hot and cold water supply.



Pex/Al/Pex COMPOSITE PIPE

Pex/Al/Pex composite pipe is the well known metal-plastic pipe which combines metal and plastic advantages, that means corrosion resistance to aggressive fluids, low thermal conductivity, weight reduction, lower noise, aluminium oxygen barrier, dimension stability, low linear expansion. Composite pipes Pex/Al/pex compound two Pex layers with an intermediate aluminium layer tightly coupled by a special glue.

STANDARDS: Aenor according to UNE 53961 EX, EMI (Hungary), and UNI EN ISO 21003. Suitable for drinking water.

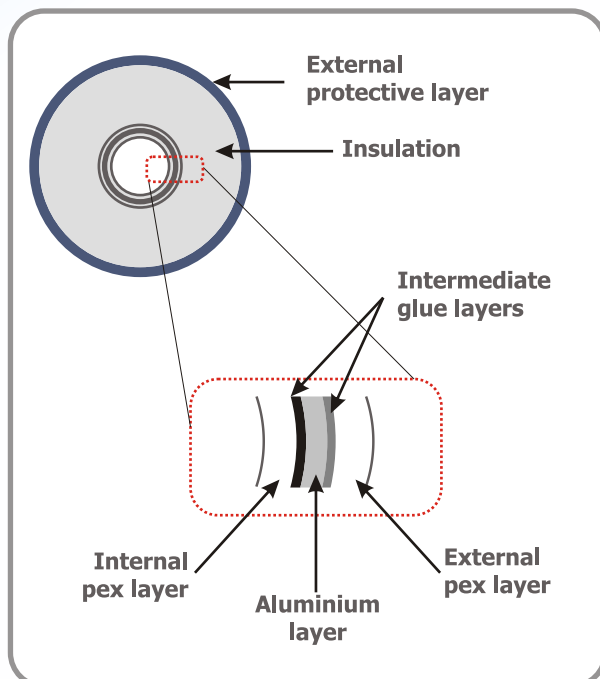
WORKING CONDITIONS: operating pressure 10 bar, max operation temperature 95°C, malfunction temperature 100°C.

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PDM
PREINSULATED PIPES

PRODUCT TABLE

INSULATION											
Minimum thickness	mm	6	6	6	6	9	9	9	9	9	9
Pex/Al/Pex COMPOSITE PIPE											
Outside diameter	mm	14	16	16	18	20	20	20	25	26	32
Inner diameter	mm	10	12	11,5	14	16	15,5	15	20	20	26
Wall thickness	mm	2	2	2,25	2	2	2,25	2,5	2,5	3,0	3,0
Internal volume	mm	0,078	0,113	0,104	0,154	0,201	0,189	0,177	0,314	0,314	0,531



MULTILAYERTHERMO® L 10/91
is available in coils from 25m to 50m.
For diameters 32 only in 25m coils.



MULTILAYERTHERMO® L 10/91 is insured by "REALE MUTUA ASSICURAZIONI" against manufacturing defects.