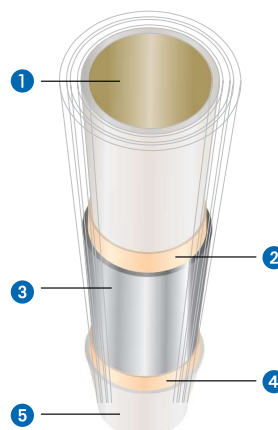


Gerpex Multilayer Pipe

Gerpex MLCP



Construction

Multilayer pipe for plumbing systems made of composite material through a technologically advanced process with which a PE-Xb (cross linked polyethylene) pipe is combined to an aluminium core (minimum thickness 0.2 mm) welded on top, coated on the outside with another layer of PE-Xb (PE-HD, size 40-63).

Gerpex pipes combine the processing and durability advantages of a plastic pipe to the sturdiness and dimensional stability to temperature and pressure of a metal pipe.

The Range

Available in rolls with diameters of DN 14, 16, 20, 26, 32 and in bars DN 16, 20, 26, 32, 40, 50, 63. The pipe on rolls is also available preinsulated with closed cell expanded polyethylene sheath, cross-link coating.

- 1 Cross-linked polyethylene inner pipe (PE-Xb).
- 2 Bonding layer connecting the inner pipe to the aluminium pipe
- 3 Butt-welded aluminium pipe, thickness min 0.2 mm
- 4 Bonding layer connecting the outer pipe to the aluminium pipe
- 5 Cross-linked polyethylene outer pipe (PE-Xb), size 14-32
High-density polyethylene outer pipe (PE-HD), size 40-63

Dimensional data

Gerpex pipe external Ø	mm	14	16	20	26	32	40	50	63
Gerpex pipe internal Ø	mm	10	12	16	20	26	33	42	54
Overall thickness	mm	2	2	2	3	3	3.5	4	4.5
Weight (1)	Kg/m	0.85	0.10	0.13	0.26	0.33	0.58	0.88	1.32
Water content	l/m	0.08	0.11	0.20	0.31	0.53	0.85	1.38	2.29
Insulation thickness (2)	mm	6	6/9	9	9	9	-	-	-
Packs nude pipe (roll)	m	100	100	100/200	50	50	-	-	-
Packs nude pipe (bars L= 4m)	m	-	96*	96*	40*	40*	20	20	12
Packs insulated pipe (roll)	m	50/100	50/100	50	50	25	-	-	-

(1) Brackets indicate weight in Kg/m for 4m bars

(2) For insulated pipes only

* packaged in rigid protective pipe

Technical data Gerpex pipe

Classes of application (UNI ISO 21003 - see table "Classification of the conditions of use"): 2/10 bar, 5/10 bar

Max. operating temperature: 95 °C

Max. operating pressure: 10 bar

Coefficient of linear expansion: 0.026 mm/m °C

Thermal conductivity: 0.43 W/m °C

Minimum radius of bending: 5 x Ø pipe

Surface roughness of internal pipe: 7 µm

Fire reaction class: E_L (EN 13501-1)

Technical data of insulating sheath

Material: Closed-cell expanded polyurethane, covered with a film in extruded LD-PE.

Thermal conductivity (at 40 °C):
≤ 0.040 W/mK (UNI EN ISO 8497).

Water vapour resistance factor µ: 5000 (UNI EN 13469)

Fire reaction class of covering:
1 (UNI 9177); DL-s2-d2 (EN 13501-1)

Admitted operating temperature of the covering:
-45 °C ÷ +100 °C.