The multi-talented MT multilayer pipe

Combines the advantages of PE-X technology with the positive features of a metal pipe

Applications:
Tap water installations
and radiator connections

Special properties

- butt-welded without overlapping; can be expanded up to 20% without loss in quality
- faster installation, small bend radii possible, easy pipe laying
- high form stability resulting in reduced mounting points and assembly work
- high product and processing safety through uniform layer structure as well as equal calculable properties for the entire pipe circumference (each individual layer is checked)
- low fitting installation leads to cost saving
- high operational safety through minimal thermal length changes
- resistant to temperature and pressure requirements in drinking water and heating applications
- hygienic and material neutral, even if high pH value fluctuations in drinking water should occur
- corrosion-free for long service life
- encrustation-free, therefore no cross-section constriction, reduced pressure losses and constant flow speed
- broad range of dimensions for floor distribution, risers and basement distribution pipes
- high solvent and chemical resistance

HEWING

Technical data »MT multilayer pipes«

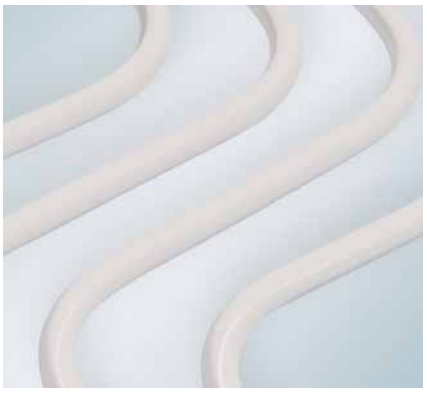
Description of material: PE-Xc · AL · PE-X

Pipe dimensions in mm	14 x 2	16 x 2	16 x 2,25	18 x 2	20 x 2	20 x 2,5	25 x 2,5	26 x 3	32 x 3	40 x 3,5	50 x 4	63 x 4,5
Outer diameter, nominal size in mm	14	16	16	18	20	20	25	26	32	40	50	63
Wall thickness nominal size in mm	2	2	2,25	2	2	2,5	2,5	3	3	3,5	4	4,5
Internal diameter, nominal size in mm	10	12	11,5	14	16	15	20	20	26	33	42	54
Pipe weight in g/m	104	125	134	141	166	185	211	298	393	605	870	1315
Pipe weight with water in g/m	183	238	238	286	358	362	525	612	924	1460	2255	3605
Internal volume in l/m	0,079	0,113	0,104	0,154	0,201	0,177	0,314	0,314	0,531	0,855	1,385	2,290
Heat conductivity in W/m · K[1)]	0,43	0,43	0,43	0,43	0,43	0,43	0,43	0,43	0,43	0,43	0,43	0,43
Expansion coefficient in mm/m · K	0,024	0,024	0,024	0,024	0,024	0,024	0,024	0,024	0,024	0,024	0,024	0,024
Surface roughness [inner pipe] in µm	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Oxygen diffusion in mg/(m² · d)	0	0	0	0	0	0	0	0	0	0	0	0
Max. operating temperature in °C	95	95	95	95	95	95	95	95	95	95	95	95
Max. operating pressure [at 95 °C] in bar	10	10	10	10	10	10	10	10	10	10	10	10
Short-time pressure loads [at 95 °C] in bar	15	15	15	15	15	15	15	15	15	15	15	15
Bend radius, freely bent	≥ 5 x D	≥ 5 x D	≥ 5 x D	≥ 5 x D	≥ 5 x D	≥ 5 x D	≥ 5 x D	≥ 5 x D	≥ 5 x D	≥ [5 x D]	≥ [5 x D]	≥ [5 x D]
Bend radius with bending tools	≥ 3,5 x D	≥ 1,5 x D*	≥ 3,5 x D	≥ 3,5 x D	≥ 3,5 x D	≥ 3,5 x D	≥ 3,5 x D	≥ 3,5 x D	≥ 3,5 x D	≥ 3,5 x D	≥ 3,5 x D	≥ 3,5 x D

*using special bending tool; [1)] mean value
All values are guide values; additional pipe dimensions on request.

MT multilayer pipe with corrugated pipe and insulation

Butt welded aluminium layer



Stable

The following insulation variants for the heating application area can be supplied on request:

Condensation water insulation 4 mm
All-round insulation 6, 9 und 13 mm
Special asymmetrical heat insulation

Individual client requirements, e.g. prefabricated insulated pipes are implemented by Hewing; special profiles are developed jointly with the client.

Hewing GmbH · Industriegebiet Ost 1 · Waldstraße 3 · 48607 Ochtrup, Germany · Phone: +49 (0) 25 53 70-01 · Fax: +49 (0) 25 53 70-17 · www.hewing.com · info@hewing.com
Certified in accordance with: DIN EN ISO 9001 + 14001 + 50001
Subject to technical amendments. Issue: 02/2016