SERIES DATASHEET

PEX–AL–PEX Multilayer Pipe

Cross-linked PE inner and outer layers bonded to an aluminium core.

Models and sizes

Model	Version	OD × wall thickness	Aluminium layer	Nominal pressure	Supply form
SL–PXP–1620	Overlap–welded	16 × 2.0	0.20	10 bar	100 / 200 m coils
SL–PXP–2020	Overlap–welded	20 × 2.0	0.25	10 bar	100 / 200 m coils
SL–PXP–2525	Overlap–welded	25 × 2.5	0.30	10 bar	50 / 100 m coils
SL–PXP–2630	Overlap–welded	26 × 3.0	0.30	10 bar	50 / 100 m coils
SL–PXP–3230	Overlap–welded	32 × 3.0	0.40	10 bar	50 / 100 m coils
SL–PXP–4035	Overlap–welded	40 × 3.5	0.50	10 bar	4 m / 5.8 m straight lengths
SL–PXP–5040	Overlap–welded	50 × 4.0	0.50	10 bar	4 m / 5.8 m straight lengths
SL–PXP–6345	Overlap–welded	63 × 4.5	0.60	10 bar	4 m / 5.8 m straight lengths
SL–PXP–7550	Overlap–welded	75 × 5.0	0.70	10 bar	4 m / 5.8 m straight lengths
SL–PXP–1620–B	Butt–welded	16 × 2.0	0.20	10 bar	100 / 200 m coils
SL–PXP–2020–B	Butt–welded	20 × 2.0	0.25	10 bar	100 / 200 m coils
SL–PXP–2525–B	Butt–welded	25 × 2.5	0.30	10 bar	50 / 100 m coils
SL–PXP–2630–B	Butt–welded	26 × 3.0	0.30	10 bar	50 / 100 m coils
SL–PXP–3230–B	Butt–welded	32 × 3.0	0.40	10 bar	50 / 100 m coils

Technical data

Designed with reference to	EN ISO 21003 · GB/T 18997.1 / GB/T 18997.2
Application class	Class 2 / Class 5 @ 10 bar
Nominal pressure	10 bar (1.0 MPa)
Max. operating temperature	95 °C
Short-term max. temperature	110 °C
Aluminium layer welding	Overlap–welded; butt–welded models carry –B
Thermal conductivity	0.43 W/(m·K)
Linear expansion	0.025 mm/(m·K)
Bending radius	⩾ 5 × OD by hand, ⩾ 3 × OD with a bending spring (16—32 mm)
Colours	White; other outer colours for OEM orders
Supply form	16—20 mm: 100 / 200 m coils · 25—32 mm: 50 / 100 m coils · 40—75 mm: 4 m / 5.8 m straight lengths
Joining	Press or compression fittings for multilayer pipe (16—32 mm); press fittings for 40—75 mm
Pipe marking	Model, size, production date and batch number printed along the pipe
Dimensional tolerance	OD +0.3 / 0 mm

Manufacturing & Supply Basis: Listed values are catalogue specifications. Production tolerances, marking and packing follow the approved sample and order technical schedule. Confirm the project temperature–pressure profile separately. We specialize in multilayer composite pipes, supplied as coils and straight lengths. Please select fittings for the corresponding pipe dimensions and installation system.