SERIES DATASHEET

PE–AL–PE Multilayer Pipe (cold water & compressed air)

Polyethylene layers with aluminium core for cold water and compressed air.

Models and sizes

Model	Version	OD × wall thickness	Aluminium layer	Nominal pressure	Supply form
SL–PEP–1620	Overlap–welded	16 × 2.0	0.20	10 bar	100 / 200 m coils
SL–PEP–2020	Overlap–welded	20 × 2.0	0.25	10 bar	100 / 200 m coils
SL–PEP–2525	Overlap–welded	25 × 2.5	0.30	10 bar	50 / 100 m coils
SL–PEP–2630	Overlap–welded	26 × 3.0	0.30	10 bar	50 / 100 m coils
SL–PEP–3230	Overlap–welded	32 × 3.0	0.40	10 bar	50 / 100 m coils

Technical data

Designed with reference to	GB/T 18997.1 (cold–water type)
Application class	Cold water ⩽ 40 °C @ 10 bar
Nominal pressure	10 bar (1.0 MPa)
Max. operating temperature	60 °C
Aluminium layer welding	Overlap–welded aluminium layer
Thermal conductivity	0.45 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	Blue, black or white
Supply form	16—20 mm: 100 / 200 m coils · 25—32 mm: 50 / 100 m coils
Joining	Press or compression fittings for multilayer pipe
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.