SERIES DATASHEET

PP–R/AL/PP–R Composite Pipe

Rigid PP–R composite with aluminium layer for low linear expansion.

Models and sizes

Model	Version	OD × wall thickness	Aluminium layer	Nominal pressure	Supply form
SL–PPP–2034	Overlap–welded	20 × 3.4	0.20	PN20	4 m straight lengths
SL–PPP–2542	Overlap–welded	25 × 4.2	0.20	PN20	4 m straight lengths
SL–PPP–3254	Overlap–welded	32 × 5.4	0.25	PN20	4 m straight lengths
SL–PPP–4067	Overlap–welded	40 × 6.7	0.30	PN20	4 m straight lengths
SL–PPP–5083	Overlap–welded	50 × 8.3	0.35	PN20	4 m straight lengths
SL–PPP–63105	Overlap–welded	63 × 10.5	0.40	PN20	4 m straight lengths
SL–PPP–75125	Overlap–welded	75 × 12.5	0.45	PN20	4 m straight lengths

Technical data

Designed with reference to	ISO 15874 · GB/T 18742
Application class	Class 1 / Class 2 @ 10 bar
Nominal pressure	PN20 (2.0 MPa @ 20 °C)
Max. operating temperature	95 °C (70 °C continuous)
Short–term max. temperature	110 °C
Aluminium layer welding	Overlap–welded aluminium layer
Thermal conductivity	0.24 W/(m·K)
Linear expansion	0.03 mm/(m·K)
Bending radius	Rigid pipe — use fittings for changes of direction
Colours	White, green, grey
Supply form	4 m straight lengths
Joining	Socket heat fusion with PP–R fittings (strip the aluminium layer before fusion)
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.