

PP Corrugated ID Pipes

Technical Datasheet

Applications

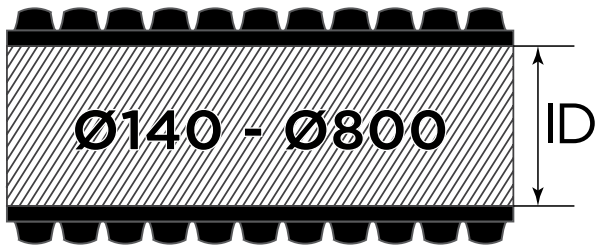
Use in civil engineering for waste water. Pipes are used below ground.

- Highways
- Airports
- Railways
- Street sewer
- For waste and atmospheric waters

Product description

Polypropylene (PP) pipes are made in diameters defined by the inner diameter (ID). Made of polypropylene copolymer (PP-B) pipes completely according to EN13476. Pipes have high impact resistance.

They are joined by EPDM rubber sealing rings, or SAG. Pipe outer layer is made in black color, inner layer in white color.



Mechanical and physical characteristics

They have good flexibility and good hydraulic properties. High impact resistance and long service life (about 100 years). The pipes are light weight, which enables simple manipulation and installation. Good mechanical properties, good impact resistance even at low temperatures. They can be completely recycled.

Characteristics	Values		EN
Density	900 kg/m³		EN1183
MFR	0.3 g/10 min (230/2.16)		EN1133
Modulus of elasticity	1500/2000 MPa		EN527
Tensile strength at the limit of extension	32 MPa		
Impact toughness (Charpy)	on +23°C	70 kJ/m²	EN179/1eA
	on -23°C	7 kJ/m²	

Chemical resistance

High chemical resistance to a large number of compounds.*

*Plastic pipes and fittings - Combined chemical-resistance classification table ISO/TR 10358.

Product Availability

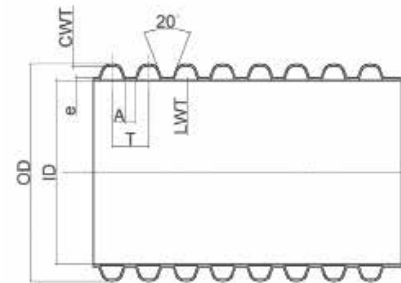
The pipes are made in standard length of 6 meters.

Diameter from Ø140 to Ø800 mm.

All diameters can be made with the ring strength classes SN4 or SN8, and on request we also make classes SN12 and SN16.

For the complete program of PP corrugated pipes we produce all the necessary fittings, as well as transition pieces for connection with pipelines of other materials.

Fittings: bends (30°, 45°, 60°, 90°), SAG, end cap, eccentric reducer, the transition from corrugated to smooth pipe, T-piece.

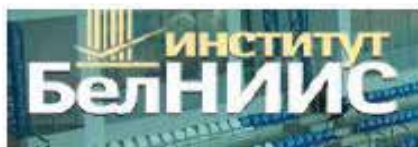


DN		OD (mm)	ID (mm)	CWT	LWT	T	A	e
Ø140	SN4	160.5	140	0.7	0.7	17.4	3.5	11
	SN8	160	139	0.7	0.8	17.4	3.5	11
Ø200	SN4	228	199	0.9	0.7	22	4.2	19
	SN8	228.5	200	1	1.1	22	4.2	2
Ø250	SN4	284	249	1	0.6	26	4.5	2.2
	SN8	283	248	1.2	1.4	26	4.5	2.3
Ø300	SN4	341	300	1.7	1.3	34.6	6.8	2.5
	SN8	342	303	1.9	1.5	34.6	6.8	2.8
Ø400	SN4	455	400	1.8	1.2	50.8	11.9	3
	SN8	454.5	401	2.1	2	50.8	11.9	3.2
Ø500	SN4	571	503	2	1.5	59	11	3.6
	SN8	570	501	2.2	1.7	59	11	4.1
Ø600	SN4	686	607	2.4	2.5	70	14	3.7
	SN8	685	607	2.7	2.7	70	14	4.5
Ø800	SN4	907	802	3.3	3	88.7	34.5	5.6
	SN8	906	800	3.6	3.5	88.7	34.5	6.8

The values in the table are mean values measured during continuous product quality control over a long period of time

Technical Assistance

Our technical and engineering team is supported and advised by European institutes. For more information about products please contact PEŠTAN technical support or regional salesman.



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IGH - Croatia