Трубы канализационные для монтажа под землей гофрированные PP Corrugated OD Pipes, PP Corrugated ID Pipes, PE Corrugated Pipes ID, PE Corrugated Pipes OD

Технические характеристики

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PP Corrugated OD Pipes
Technical Datasheet

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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 outer diameter (OD). 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 with 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.

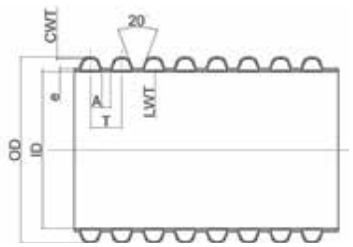
Characteristics	Values		EN
Density	900 kg/m³		EN1183
MFR	0.3 Wg/10 min (230/2.16)		EN1133
Modulus of elasticity	1500/2000 MPa		EN527
Tensile strength at the limit of extension	32 MPa		
Impact toughness (Sharpy)	on +23°C	70 kJ/m²	EN179/1eA
	on -23°C	7 kJ/m²	

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 or 12 meters.
Diameter from ø75 to ø500 mm.
All diameters can be made in the ring strength classes SN4 or SN8, and on request we also make classes SN12 and SN16.
Coupling with bend fitting (angle 30°, 45°, 60° and 90°), joining up the several pipeline with T-crotch, and coupling using SAG.
The pipe diameters from DN200 to DN500 are manufactured with a welded connection. The smaller diameters are manufactured with a double sleeve already fitted to the pipe.
For the complete program of PP corrugated pipes we produce all the necessary fittings, by standard and on the request of the customer, as well as transition pieces for connection with pipelines of other materials.



DN (OD) mm		ID (mm)	CWT	LWT	T	A	e
Ø110	SN4	96	0.4	0.5	13.6	4.1	1
	SN8	95	0.5	0.6	13.6	4.1	1.1
Ø125	SN4	109	0.6	0.6	15.2	4.4	1.2
	SN8	108	0.6	0.7	15.2	4.4	1.3
Ø160	SN4	138	0.6	0.7	20	5.4	1.3
	SN8	137	0.7	0.8	20	5.4	1.4
Ø200	SN4	177	1	0.7	19.3	6	1.5
	SN8	175	1.1	0.8	19.3	6	1.8
Ø250	SN4	221	1.2	0.8	30.1	6.5	1.6
	SN8	220	1.5	1	30.1	6.5	2.2
Ø315	SN4	272	1.6	0.7	35	8.8	2
	SN8	270	2	1.2	35	8.8	3.1
Ø400	SN4	345	1.8	1.3	49	11.7	2
	SN8	343	2	1.5	49	11.7	3.5
Ø500	SN4	430	1.8	1.7	58	19.4	3.8
	SN8	428	2	1.8	58	19.4	5.2
Ø630	SN4	547	2	2.1	71.2	25	5.4
	SN8	545	2.3	2.3	71.2	25	6.3

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

PP Corrugated ID Pipes
Technical Datasheet

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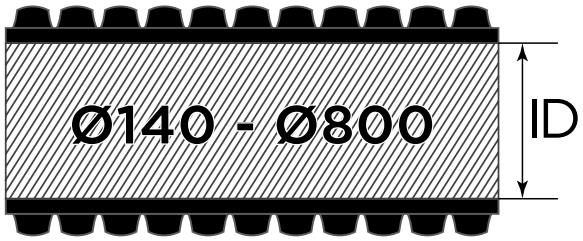
Applications

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.

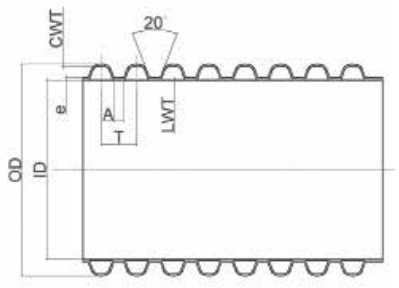
Characteristics	Values		EN
Density	900 kg/m³		EN1183
MFR	0.3 g/10 min (230/2.16)		EN1133
Modulus of elasticity	1500/2000 MPa		EN527
Tensile strength at the limit of extension	32 MPa		
Impact toughness (Sharpy)	on +23°C	70 kJ/m²	EN179/1eA
	on -23°C	7 kJ/m²	

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, excentric 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	1.1
	SN8	160	139	0.7	0.8	17.4	3.5	1.1
Ø200	SN4	228	199	0.9	0.7	22	4.2	1.9
	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

HDPE CORRUGATED PIPE OD
Technical Datasheet

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Application

Peštan HDPE corrugated OD pipes are used in civil engineering in drainage systems of all types of wastewater. The pipes are intended for installation below the ground surface and are used in all types of projects:

- Highways
- Airports
- Railways
- Street sewerage
- Drainage of wastewater and atmospheric water

PRODUCT DESCRIPTION

Peštan polyethylene OD corrugated pipes are intended for construction of gravity pipelines and drainage of all types of waste water. The pipes are defined by the outer diameter, which means that the nominal diameter of the pipe is the one we measure at the outer edge, and we get the inner diameter of the tub from the nominal diameter subtract 2x the wall thickness. These pipelines provide reliable function in almost all conditions, however in in case of need for large circumferential stiffness or transport aggressive liquids we advise consultation with our technical support. Pipeline made of Peštan PE OD pipe and installed and tested in accordance with EN 1610 will provide long - lasting and reliable function in almost all conditions. Buyer in line chooses the circumferential stiffness (ring strength) with its needs pipes which can be SN 4 (4 KN/m^2) or SN 8 (8 KN/m^2). Uz pipe program we also offer a complete program of manholes made of our pipes or roto casting technique, as well as the fitting program, so we can respond to all customer requests, no matter how much the project was complex. With a complete pipeline we can give you we also offer the service of pneumatic testing of pipelines in in accordance with EN 1610.

CHARACTERISTICS AND TECHNICAL DATA

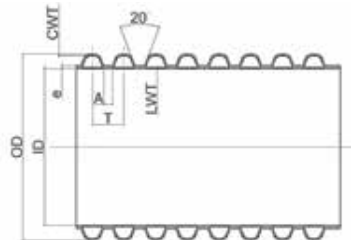
- Material: HDPE
- Standard: DIN 4262/1
- Density:> 0.945 kg/m^3
- Dispensing index: MFI 190 ˚C/5 Kg 0.35-1.3 gr/10'
- Elasticity modulus: >800 MPa
- Coefficient of linear thermal expansion: 0.17 mm / m˚K
- Thermal conductivity coefficient: at 23 ˚C ~ 0.36-0.5 W/mk
- Surface electrical resistance: > 1013Ω
- The connection method is via a socket without an eraser
- Laying and use of HDPE pipeline is from -40 ˚C to +60 ˚C.
- Ring strength SN = 4 KN/m^2 (EN ISO 9969)
- The standard color is BLACK

PRODUCT AVAILABILITY

Pipes are made in the following diameters: Ø OD 75, Ø OD 90, Ø OD 110, Ø OD 125, Ø OD 160, Ø OD 200, Ø OD 250, Ø OD 315, Ø OD 400, Ø OD 500. All diameters can be made in ring strength classes SN 4 or SN 8. This range of ring strength allows optimal choice of pipes in accordance with the static calculation. Pipes can be delivered in rolls of 50 m, for diameters up to Ø200, or 6 m bars for all diameters. For the program PE OD corrugated pipes we produce the necessary fitting, a we also offer a complete program of accompanying manholes in all standard dimensions so that we are able to get you on in one place we offer a complete pipe system of top quality characteristic.

DN (OD) mm		ID (mm)	CWT	LWT	T	A	e
Ø110	SN4	96	0.4	0.5	13.6	4.1	1
	SN8	95	0.5	0.6	13.6	4.1	1.1
Ø125	SN4	109	0.6	0.6	15.2	4.4	1.2
	SN8	108	0.6	0.7	15.2	4.4	1.3
Ø160	SN4	138	0.6	0.7	20	5.4	1.3
	SN8	137	0.7	0.8	20	5.4	1.4
Ø200	SN4	177	1	0.7	19.3	6	1.5
	SN8	175	1.1	0.8	19.3	6	1.8
Ø250	SN4	221	1.2	0.8	30.1	6.5	1.6
	SN8	220	1.5	1	30.1	6.5	2.2
Ø315	SN4	272	1.6	0.7	35	8.8	2
	SN8	270	2	1.2	35	8.8	3.1
Ø400	SN4	345	1.8	1.3	49	11.7	2
	SN8	343	2	1.5	49	11.7	3.5
Ø500	SN4	430	1.8	1.7	58	19.4	3.8
	SN8	428	2	1.8	58	19.4	5.2
Ø630	SN4	547	2	2.1	71.2	25	5.4
	SN8	545	2.3	2.3	71.2	25	6.3

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



CHEMICAL RESISTANCE

* High chemical resistance to a large number of compounds.
* Plastic pipes and fittings - Combined chemical resistance classification table ISO 10358

HDPE corrugated ID pipes
Technical Datasheet

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Application

Peštan HDPE corrugated ID pipes are used in civil engineering in drainage systems of all types of wastewater. The pipes are intended for installation below the ground surface and are used in all types of projects:

- Highways
- Airports
- Railways
- Street sewerage
- Drainage of wastewater and atmospheric water

Product description

Polyethylene HDPE pipes are sorted according to the inner diameter ID. They are made of high density polyethylene according to standard EN13476 and have high resistance to blows. They are connected with EPDM rubber sealing rings or SAG. The outer layer of the pipe is black, and the inner is white.

Mechanical and physical characteristics

They have good flexibility and good hydraulic properties. High impact resistance and long service life (about 100 years). The light weight of the pipe allows easy manipulation and installation. Good mechanical properties, good impact resistance even on low temperatures. They can be completely recycled.

Characteristic and technical data

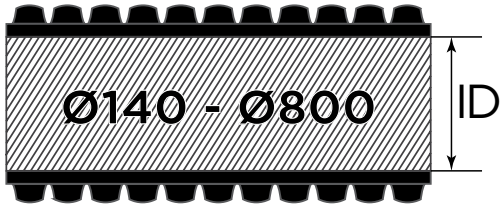
- Material: HDPE
- Standard: DIN 4262/1
- Density: >0.945 kg/m^3
- Dispensing index: MFI 190 ˚C/5 Kg 0.35-1.3 gr/10 ’
- Elasticity modulus:> 800 MPa
- Coefficient of linear thermal expansion: 0.17 mm/m ˚K
- Thermal conductivity coefficient: at 23 ˚C ~ 0.36-0.5 W/ mk
- Surface electrical resistance: > 1013Ω
- The connection method is via a socket without an eraser
- Laying and use of HDPE pipeline is from -40 ˚C to +60 ˚C.
- Ring strength SN = 4KN/m^2 (EN ISO 9969)
- The standard color is BLACK

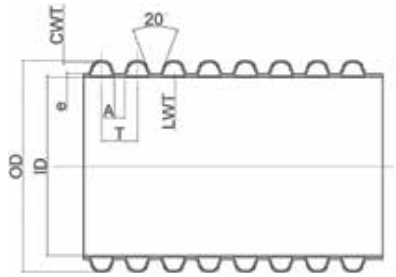
Chemical resistance

* High chemical resistance to a large number of compounds.
* Plastic pipes and fittings - Combined chemical resistance classification table ISO 10358.

Product Availability

The pipes are made in a standard length of 6 m. Diameter of ø140 to ø800 mm. All diameters can be made using strength classes rings SN4 and SN8, and on request we also produce SN12 and SN 16. We produce HDPE corrugated pipes for the complete program all necessary fittings as well as transition pieces for connection with pipes of other materials.
Fitting: Arches (30 °, 45 °, 60 °, 90 °), SAG, end cap, eccentric reducer, transition from corrugated to smooth pipe, T-piece.





DN		OD	ID	E	CWT	LWT	T	A	KG/M
Ø140	SN4	Ø160	Ø139.8	1.2	0.5-0.9	0-9	17.44	3.5	0.8-1.1
	SN8	Ø160	Ø139	1.6	0.9-1.2	1.1	17.44	3.5	1.1-1.4
Ø200	SN4	Ø227	Ø199	1.7	0.9-1.2	1.2	22.43	4.5	1.8-2.0
	SN8	Ø227	Ø198	2.2	1.2-1.6	1.4	22.43	4.5	2.1-2.5
Ø250	SN4	Ø283	Ø249	2.2	1.2-1.4	1.5	26.17	5.1	2.8-3.1
	SN8	Ø283	Ø248	2.7	1.6-2.0	1.6	26.17	5.1	3.6-3.85
Ø300	SN4	Ø340	Ø298.2	2.6	1.3-1.5	1.7	31.4	5.5	3.8-4.2
	SN8	Ø340	Ø297	3.2	1.7-2.2	1.8	31.4	5.5	4.5-5.2
Ø400	SN4	Ø453	Ø397.8	3.2	1.4-1.7	2.2	39.25	7.9	5.8-6.6
	SN8	Ø453	Ø396	4.1	2.2-2.6	2.5	39.25	7.9	8.1-8.9
Ø500	SN4	Ø567	Ø497.6	4.2	1.8-2.2	3.0	52.78	9.4	9.8-10.7
	SN8	Ø567	Ø495	5.5	2.4-3.1	3.3	52.78	9.4	12.6-13.5
Ø600	SN4	Ø680	Ø597	5.2	2.6-3.0	3.5	65.97	13.2	15.0-16.5
	SN8	Ø680	Ø594	6.7	3.4-3.8	3.8	65.97	13.2	18.7-19.3
Ø800	SN4	Ø906	Ø796	6.5	2.8-3.2	4.5	89.87	19.3	24.0-25.8
	SN8	Ø906	Ø792	8.5	4.3-5.1	4.7	89.87	19.3	31.6-33.4

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