

HDPE CORRUGATED PIPE OD

Technical Datasheet

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 tube from the nominal diameter subtract 2x the wall thickness. These pipelines provide reliable function in almost all conditions, however 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/m²) or SN 8 (8 KN/m²). 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 accordance with EN 1610.



CHARACTERISTICS AND TECHNICAL DATA

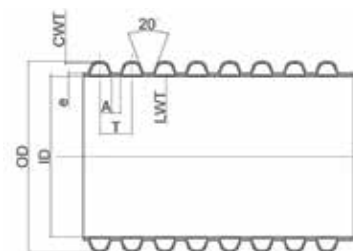
- Material: HDPE
- Standard: DIN 4262/1
- Density: > 0.945 kg/m³
- Dispensing index: MFI 190 °C/5 Kg 0.35-1.3 gr/10'
- Elasticity modulus: >800 MPa
- Coefficient of linear thermal expansion: 0.17 mm / m °K
- Thermal conductivity coefficient: at 23 °C ~ 0.36-0.5 W/mk
- Surface electrical resistance: > 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/m² (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

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.



BELNIIS - Belarus



KIWA - Netherland



VUPS - Czech Republic



BELNIIS - Belarus



IMS - Serbia



GOST R - Russia



MPA - Germany



IGH - Croatia