



HDPE  
CORUGATED  
OD PIPES



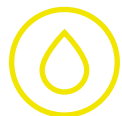


# WE ARE

a private company Peštan, leader in the Balkans in the production and distribution of products and solutions from the polymers.

Company was founded in 1989 and has been producing water pipes made of polyethylene.

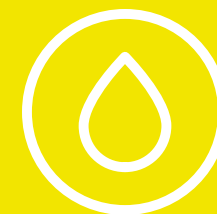
Over time, we introduced new materials (polypropylene and PVC) and expanded product range. Today, in our offer you may find more than 8.500 products, divided into two categories:



**PIPING  
SOLUTIONS**



**BATHROOM  
SOLUTIONS**



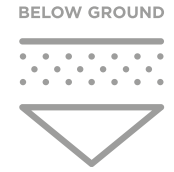
Edition 9



# HDPE CORRUGATED OD PIPES

---

For street sewage systems



## HDPE CORRUGATED PIPES FOR SEWERAGE SYSTEM

---

**Connection method is via the socket with rubber which is inserted into the third channel of corrugated pipe between the ribs and the lubricated socket is pulled over the rubber on tube. Pipes can be shortened by ordinary knife or saw, and all the pieces of pipe can be used as extensions.**

HDPE pipes are lighter than PVC pipes for the same purpose, allowing easier handling and installation, and they have excellent chemical resistance to aggressive environment and the surrounding soil. Laying and using of HDPE pipelines is between -40 °C to +60 °C. The smooth inner surface has a low coefficient of friction so the pipes have very good hydraulic characteristics. They have excellent resistance to abrasion and excellent mechanical and physical properties.

Pipes are resistant to UV rays, and can stand in the open for an year. Beyond that period they should be protected. During transportation and installation, protection must be ensured by keeping the pipes away from sharp edges because they can damage the pipe while they are very resistant to the impacts with a blunt object. The pipes are certified by the Institute for Materials of Republic of Serbia.



## FEATURES AND SPECIFICATIONS

---

- Material: PE-HD (polyethylene high-density)
- Pipes can be embed at a depth of at least 0.8 m to 8m max. Concrete protection is required above 0.8 m
- Quick and cheap installation
- Ring stiffness SN=4KN/m<sup>2</sup> and SN=8KN/m<sup>2</sup>
- Standard length is 6 or 12m, or coil 50m+100m
- Standard color is black and can be different by demand
- Standard packing:  
Ø110-Ø200 Bar 6 and 12m, or coil 50 i 100m Ø250-Ø315 bar 6 and 12m



## PACKAGING AND INSTALLATION

### INSTALLATION OF PIPES

The pipes must be professionally installed respecting the appropriate guidelines specified by standard 1610 and DIN4033, which means that in an area of the pipeline from the bottom of the trench to at least 30cm above the vertex, following compression values should be achieved.

### ACCORDING TO PROCTOR:

- All values should be proven during operation
- 97% density of shoveled land for non-bonding soil
- 95% density of unshoveled land for bonding soil

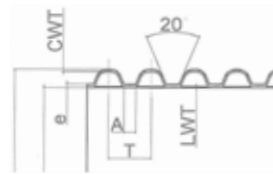


CONNECTING THE PIPE WITH THE SOCKET

HDPE corrugated pipes defined by the outer diameter (DN/OD) DN/OD (nominal diameter is outside diameter) double layer corrugated HDPE pipes are classified by the outer diameter of the pipe.

They are made without integrated socket, and connection is achieved through the sockets made of the same material.

Range of production is from Ø140-Ø500 with ring stiffness of sn4 and sn8, and even stronger by special order.



OD SN4



OD SN8

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





# BRAND MANIFESTO

---

We do not only sell pipes, we combine reliability with quality for the ultimate benefit of our clients.

We do not build short-term client relationships, but long-term and genuine partnerships.

Everything we do, we do with one thing in mind - to create ideas to perfectly match all our client needs and the best way for us to achieve this goal is to constantly educate our clients provide solutions that meet their specific needs and support them throughout the entire process.

Because our success is as big as your trust in us.



+381 034 700 300  
OFFICE@PESTAN.NET

PUT 1300 KAPLARA 188  
ARANDJELOVAC  
34300 SERBIA

---

**WWW.PESTAN.NET**