

Applications

Peštan PVC pipes for street sewerage systems together with the appropriate fittings are intended for removal of all kinds of waste water in systems of low building construction.

Product description

Peštan PVC pipes for street sewage systems are made as a three-layer (by EN 13476 standard) or compact (by EN 1401 standard) pipe.

Product portfolio of Peštan PVC pipes and fittings for street sewerage systems includes pipes and fittings manufactured from high quality polyvinyl chloride PVC-U in diameters from Ø110 to Ø630. Also these pipes are being made in lengths of 250mm, 500mm, 1000mm, 2000mm, 3000mm, 4000mm i 6000 mm.

Peštan also offers the complete range of fittings, injected and welded, made in all diameters and stiffness. Peštan PVC fitting or outer connecting elements are thanks to its geometry are at least two times more rigid than the pipes even though they have the same thickness.

Because of that according to EN 1401 fitting class SN4 can be used with pipes SN8, because its geometry gives them SN8 rigidity.

PVC pipe is a flame retardant material with good chemical resistance, with the addition of the stabilizers. They are produced in gray or orange color, without softeners and fillers. Manufacturing technology of the pipes and marking are fully responsive European norms and standards. Coupling joints and sealing rings are made of EPDM rubber (EN 681).

Mechanical and physical characteristics

Material	PVC
Pipe structure	Monolayer tube
Density	1,42-1,48 g/cm ³
Linear elongation coefficient	5x10 ⁻⁵ mm/mm°C
Chemical resistance	pH 2-pH 12
Specific mass of material	0,9-1 g/cm ³
Thermal conductivity	0,54 kJ/mh/°C
Tensile strength	50-60 MPa
Linear coefficient of thermal expansion	0,08 mm/m/°C.
Modulus of elasticity	2,7-3,3 GPa
Connection method	Muff and eraser - leak-proof up to 0.5 bar pressure
Flammability Classification	B2 - normal flammability

Chemical resistance

Resistant to fresh and salt water, to vegetable and animal oils, alcohol, chlorine compounds, alkaloid acids, bases and detergents. Do not contain heavy metals (eg Pb, Cd, Sn ...). They can not be used to transport water and fluids containing a high percentage of benzene, gasoline, petroleum or acetone.

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

Product Attributes

Good mechanical properties, does not conduct electricity. Light weight and easy to manipulate, Low coefficient of hydraulic resistance.

Good thermal insulation, easy and low cost assembly. It can withstand working pressures of 6, 10 and 16 bars. Withstands short thermal loads up to 60 °C, withstands continuous thermal loads up to 40 °C.

Easy camera inspection, does not burn, resistance to aging

Product Availability

Dimensions DN:

- for SN2 from 160 to 630 mm, burial depth min 1.2 m to 4 m max, length from 1 to 6 m;
- for SN4 from 110 to 630 mm, burial depth min 1.2 m to 6 m max, length from 1 to 6 m;
- for SN8 from 110 to 630 mm, burial depth min 1.2 m to 6 m max, length from 1 to 6 m;

PVC KG pipe SDR51 SN2

D	S	T
160	3.2	86
200	3.9	106
250	4.9	128
315	6.2	155
400	7.9	183
500	9.8	210
630	12.3	188

PVC KG pipe SDR41 SN4

D	S	T
110	3.2	61
125	3.2	72
160	4.0	86
200	4.9	106
250	6.2	128
315	7.7	155
400	9.8	183
500	12.3	210
630	15.4	188

PVC KG pipe SDR34 SN8

D	S	T
110	3.2	
125	3.7	
160	4.7	86
200	5.9	106
250	7.3	128
315	9.2	155
400	11.7	183
500	14.6	210
630	18.4	188

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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KIWA - Netherland



VUPS - Czech Republic



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