

# HTPP Pipes

## Technical Datasheet

### Applications

HTPP pipes and fittings are intended to be used in:

- Building sewage systems.
- House sewage system
- Apartment buildings
- Residential and commercial buildings
- Hotels and hospitals
- Schools, libraries and reading rooms
- Other buildings where reduced noise is required or desirable

### Product description

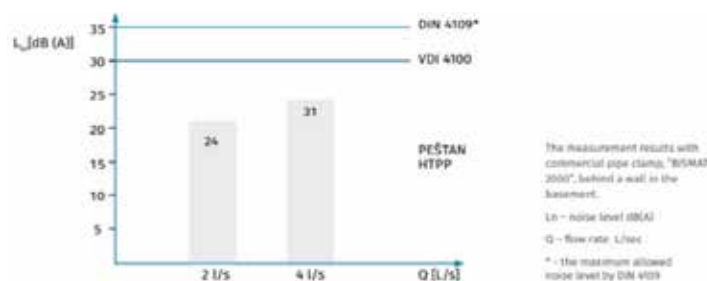
Production program Peštan HT (PP) pipes for sewage systems inside buildings includes pipes produced from high quality polypropylene homopolymer (PP-H). Peštan HTPP pipes are made in technology of three-layer composite pipes according to the requirements of EN 1451, in diameters from Ø32 to Ø160 together with complete range of fittings.

HTPP pipes have sound insulation level II (DIN 4109 standards). Level II is the middle sound insulation level and is up to 25 decibels. Our HTPP pipe program has, according to tests at the Fraunhofer Institute - Germany, a sound insulation level of up to 24 decibels (at a fluid flow of 2l/s DN110).

\* LSC,A [dB(A)] Fraunhofer test report P-BA 95/2016e

\*\* The measurement results with commercial pipe clamp,

Supported standards: EN 1451, EN 1411, EN 14366, EN 681, EN 12056.



### Mechanical and physical characteristics

Material	PP-H (polypropylene homopolymer)
Pipe structure	Three-layer composite pipe PPH-PPM-PPH
Density	pipes (Ø32-Ø50) - 0.9 g/cm <sup>3</sup> , pipes (Ø63-Ø160) - 0.8 g/cm <sup>3</sup> fitting - 0.9 g/cm <sup>3</sup>
Resistance temperature	Short-term up 95 °C, long-term up 60 °C
Linear elongation coefficient	0.12 mm/m °C
Chemical resistance	pH 2 - pH 12
Modulus of elasticity	1300 - 2000 MPa
Joining method	Push-fit sockets with inserted rubber ring - resistant to leakage up to pressure of 0.5bar
Application category	Application category B (installation in buildings)
Fire classification	B2 - normal flammability
Sound insulation level	24 dB(A) sound insulation Level II

### Chemical resistance

High chemical resistance to a large number of compounds (pH 2 - pH 12).\*

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

### Product Availability

Single socket and double socket pipes.

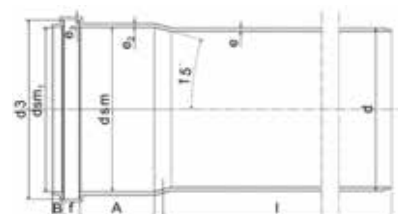
Available in lengths from 250 to 4000 mm.

Diameter from ø32 to ø160 mm.

Fittings: bends (15°, 30°, 45°, 67.5°, 87.5°), T-branches (45°, 87.5°), reducers, double branch, ventilation branch, excentric reducer, slip coupler, double socket, end cap.

EN 1451 s20								
	DN32	DN40	DN50	DN75	DN90	DN110	DN125	DN160
Dem (mm)	32	40	50	75	90	110	125	160
e (mm) <sub>min</sub>	1.8	1.8	1.8	1.9	2.2	2.7	3.1	3.9
d3 (mm) <sub>min</sub>	38.6	49.6	59.6	84.5	99.5	120.5	137.5	174.3

B (mm) <sub>min</sub>	5	5	5	5	5,0	6	7	9
A (mm) <sub>min</sub>	24	26	28	33	34,0	36	38	41
L (mm)	250, 500, 100, 1500, 2000, 2500, 3000, 3500 i 4000							



## 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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