

S-Line

Technical Datasheet

Applications

S-Line 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

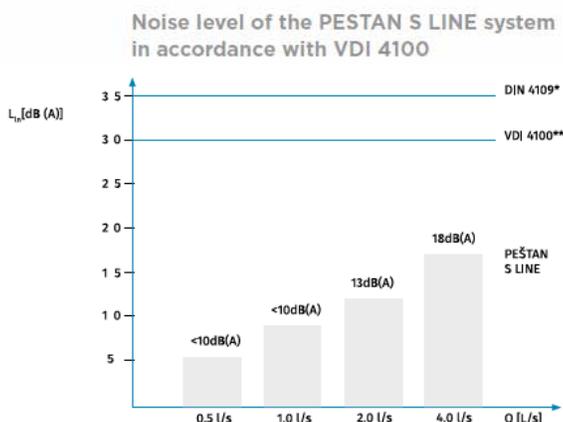
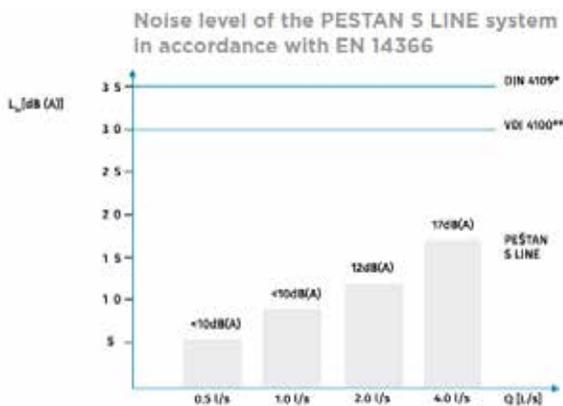
Production program Peštan S LINE pipes for the installation of sewage systems inside buildings includes pipes produced from high quality polypropylene-copolymer (PP-C) hardened mineral additives, in technology, three-layer composite pipes according to the requirements of EN 1451, in diameters from Ø32 to Ø160 together with complete range of fittings.

S-line pipes have sound insulation level III (DIN 4109 standards). Level III is the highest sound insulation level and is up to 20 decibels. Our S-line pipe program has, according to tests at the Fraunhofer Institute - Germany, a sound insulation level of up to 12 decibels (at a fluid flow of 2l/s DN110).

* LSC,A [dB(A)] Fraunhofer test report P-BA 213/2016e

** The test was performed with 1000l clamps

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



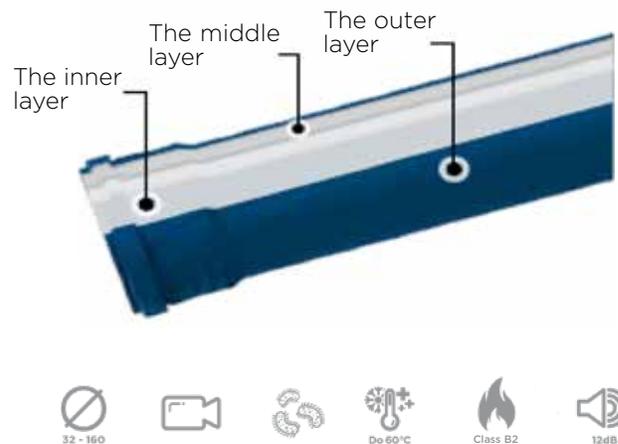
Mechanical and physical characteristics

Material	PP-H (polypropylene copolymer)
Pipe structure	Three-layer composite pipe PPC-PPM-PPC
Density	Pipes (ø32-ø160) - 1.3 g/cm ³ , fitting - 1.4 g/cm ³
Resistance temperature	Short-term up 95°C, long-term up 60°C
Linear elongation coefficient	0.05 mm/m°C
Chemical resistance	pH 2 - pH 12
Modulus of elasticity	2400 - 3100 MPa
Connection method	Muff and eraser - resistant to leakage of 0.5 bar
Field of application	Inside the building and at the base of the building
Flammability Classification	B2 - normal flammability
Level of sound insulation	12 dB(A) level III sound insulation

Inner layer: white, made of polypropylene copolymer, prevents buildup of sediment and reduces abrasion on pipes, is chemical resistant and allows easy camera inspection.

Middle layer: Made of polypropylene copolymers and reinforced with mineral fillers, gives the pipes strength and flexibility.

Outer layer: Blue, made of polypropylene copolymer, gives pipes better impact resistance.



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.

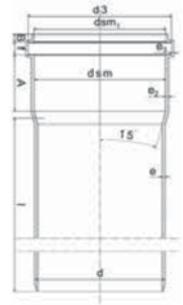
Product Availability

Single socket and double socket pipes.
Available in lengths from 500 to 4000mm.
Diameter from ø32 to ø160mm.

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 s16								
	DN 32	DN 40	DN 50	DN 75	DN 90	DN 110	DN 125	DN 160
Dem (mm)	32	40	50	75	90	110	125	160
e (mm) min	1.8	1.8	1.8	2.3	2.8	3.7	3.9	4.9
d ³ (mm) min	38.6	49.6	59.6	84.5	99.5	120.5	137.5	174.3
B (mm) min	5	5	5	5	5.0	6	7	9
A (mm) min	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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