

Wavin HDPE



Welded

Soil and Waste System



An Orbia business.

Range

Wavin HDPE offers complete range of pipes and fittings, conforming to EN 1519, available from 32 to 315 mm, for BD applications (inside building and outside 1 meter far from perimeter of the building).

Nominal Diameter mm	Thickness mm	Series S
32	3,0-3,5	12,5
40	3,0-3,5	12,5
50	3,0-3,5	12,5
63	3,0-3,5	12,5
75	3,0-3,5	12,5
90	3,5-4,1	12,5
110	4,2-4,9	12,5
125	4,9-5,6	12,5
160	6,2-7,1	12,5
200	6,2-7,1	16
250	7,7-8,7	16
315	9,7-10,9	16

Technical Specifications

Raw material

Polyethylene high density.

Connections

Connections via e-couplers, butt welding, expansion couplers, screw joints or flanged junction.

Density

≈ 0,956 gr/cm³ according to EN ISO 1183-1.

Working temperature

90°C continuous temperature; 100°C peak temperature.

Expansion coefficient

0,2 mm/m/K.

Ring Stiffness

SN₂ ≥ 4 KN/m² test according to EN ISO 9969.

Conformity Certification

IIP (n° 1857 - 1858 - 1859)

Applications

Wavin HDPE can be used in both civil and industrial applications, for sanitary, washing machine, dish-washing, waste water coming from laundries. Even used for syphonic roof drainage system, Wavin Quickstream.

Certifications

Wavin HDPE meets the requirements of EN1519 and application EN12056-2. Company meets quality requirements according to ISO 9001, and environmental requirements according to ISO 14001.

Advantages

- ▶ **High-temperature resistance**
Wavin HDPE is resistant to temperatures of up to 90°C continuous temperature and 100°C short term.
- ▶ **Low-temperature resistance**
The elasticity of Wavin HDPE allows pipes to withstand freezing of internal water.
- ▶ **UV resistance**
With the addition of a percentage of carbon black, HDPE is UV-stabilised and can therefore be installed outdoors without degradation problems.
- ▶ **Smooth Bore**
The smooth surface of Wavin HDPE allows for both an optimum flow of any type of waste material and self-cleaning of pipes.
- ▶ **Flexibility**
Wavin HDPE is well suited to assemblies subjected to vibration. It is therefore ideal for use in seismic zones and across expansion joints.
- ▶ **Ease of welding**
An advantage of Wavin HDPE is that it can be welded (both by butt welding and with electrofusion joints), thereby providing a perfectly sealed system.
- ▶ **Fire Hazards**
Wavin HDPE does not issue any toxic gases during combustion.