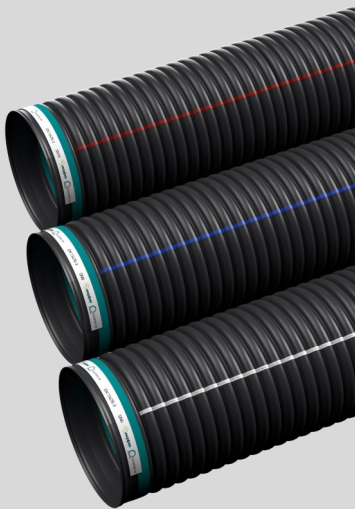


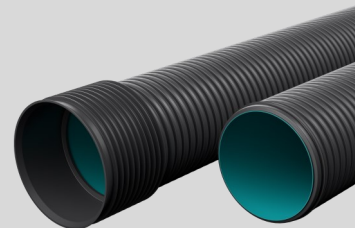
TECHNICAL DATA SHEET



DN/ID 500, 600, 800, 1000 mm



DN/ID 300, 400 mm



Material: **polypropylene (PP)**

Ring stiffness:

≥SN4 (kN/m²)*

≥SN8 (kN/m²)

≥SN16 (kN/m²)*

*upon request

Ring flexibility: **RF30**

Impact strength at -10°C:

❄ (Ice crystal)

LENGTH — 6m

Open product

GIGAPIPE PP

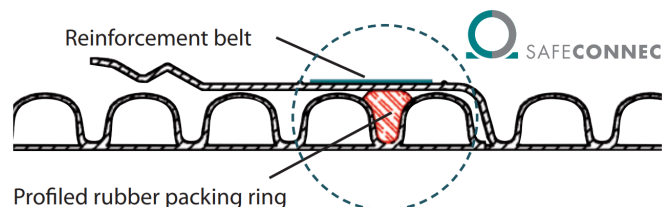
DN/ID series, type B, gravity sewerage pipes with smooth internal and profiled (corrugated) external surface.

PRODUCT DESCRIPTION

GIGAPIPE double-wall, type B, polypropylene (PP) pipes with ring stiffness SN8 (SN4 and SN16 upon request). Special rubber sealing ring is being used for connecting pipes together. Rubber sealing ring provides an airtight connection (≥0,5 bar). Standard pipe bar length—6m (other lengths upon request).

DN/ID 300, 400, 500, 600 mm pipes

GIGAPIPE pipes are equipped with SAFECONNEC connection type. It is a unique type of connection which optimises interaction between the extension and the rubber sealing ring, further improving the positive characteristics of the flexible pipe system. A high strength reinforcement belt for the ring is welded onto the outside of the extension at the exact point where the rubber sealing ring sits on the extension walls. The reinforcement belt guards against separation (movement) of the joint even under extreme stress. Rubber sealing ring is installed on constriction at the other end.



DN/ID 800, 1000 mm pipes

GIGAPIPE pipes with ring stiffness class SN8. A high strength reinforcement belt for the ring is welded onto the outside of the extension at the exact point where the rubber sealing ring sits on the extension walls. Rubber sealing ring is installed (placed) on constriction at the other end.

APPLICATION AREA

GIGAPIPE scope of use:

1. Utility wastewater and stormwater gravity sewerage systems.
2. Road construction infrastructure for culvert construction.
3. Special solutions for industry and communities.
4. Drainage systems for highway and railroad construction.

Intended installation depth for pipes with nominal ring stiffness SN8 are 0.8 — 6.0 m. Recommended pipe installation according to traffic load groups defined in EN 124 (intended for 1., 2., 3., 4. groups).

According to:

EN 13476-3, type B

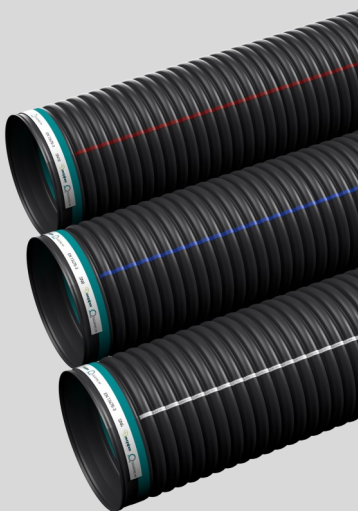


Nordic Poly Mark

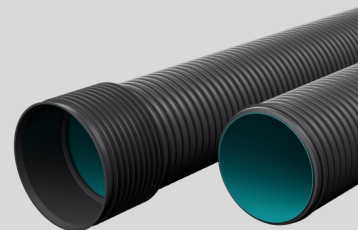
TECHNICAL DATA SHEET



DN/ID 500, 600, 800, 1000 mm



DN/ID 300, 400 mm


 Material: **polypropylene (PP)**

Ring stiffness:

 $\geq \text{SN4 (kN/m}^2\text{)}$
 $\geq \text{SN8 (kN/m}^2\text{)}$
 $\geq \text{SN16 (kN/m}^2\text{)}$
**upon request*

 Ring flexibility: **RF30**

 Impact strength at -10°C :

❄️ (Ice crystal)

LENGTH — 6m
Open product

GIGAPIPE PP

DN/ID series, type B, gravity sewerage pipes with smooth internal and profiled (corrugated) external surface.

COLOURS AND SEALING RING

Pipes outer surface colour is black, but internal surface is turquoise blue.

For DN/ID 300, 400, 500, 600 mm pipes a rubber sealing ring is installed (placed) in the first full groove of the corrugation.

For DN/ID 800 and 1000 mm pipes a rubber sealing ring is installed on constriction in the first full groove of the corrugation.

Sealing ring:

- ⇒ Material: EPDM (ethylene-propylene-diene rubber (terpolymer)).
- ⇒ Conforms to EN 681-1/A3
- ⇒ Grants hermetic seal ($\geq 0,5$ bar)

PRODUCT PARAMETERS

Pipe physical and mechanical properties		
Parameter	Value	Test method
Material	polypropylene (PP)	
Ring stiffness (SN), kN/m^2	≥ 8	EN ISO 9969
Ring flexibility (RF), pie 23°C un RH50 %	At 30% sample deformation without changes in pipe structure (compiles with class RF30)	EN ISO 13968
Impact strength at -10°C (staircase method)	$H_{50} \geq 1000$ mm $H_{\min} = 500$ mm (no break)	EN ISO 11173
Creep ratio, at 23°C /1008 h	at 2 years extrapolation ≤ 4	EN ISO 9967
Coefficient of linear expansion	$12 \times 10^{-5} [1/^{\circ}\text{C}]$	CEN/TS 15223 Table 2
Sealing ring physical and mechanical properties		
WCL type rubber sealing ring		
Material	EPDM	ISO 1629
Durability in low temperature (at -25°C)	72 h	ISO 815
	168 h	ISO 3387
Chemical resistance	$\text{pH}2 < \text{pH} < \text{pH}12$	ISO/TR 7620
Permeability pressure	$\geq 0,5$ bar	EN ISO 13254 EN ISO 13259 B un C nosacijumi

PRODUCT DIMENSIONS

DN/ID, mm	300	400	500	600	800	1000
ID, mm	298,3	395,8	495	594	793	992,5
OD, mm	339	451,8	565,7	678,9	906,3	1134,3