

TECHNICAL DATA SHEET



RIGID MULTI PP SN8

Smooth 3-layer sewage pipes, EN 13476-2 type A, with friction welded socket and locking seal ring

Conformity:
EN 13476-2, type A



PRODUCT DESCRIPTION

RIGID MULTI PP smooth-wall pipes for gravity sewer network systems with friction welded socket and locking seal ring. These pipes are produced using three-layer technology, where external and internal layer is made of high flexural modulus polypropylene (PP) material but the intermediate layer consists of structured polypropylene (PP) material.

Standard colour of the outer side of RIGID MULTI PP pipe is reddish brown but inside is white for better visibility during CCTV control thereby facilitating determination of defects within sewerage networks.

The supplied sealing ring grants a hermetic seal with a pressure rating of $\geq 0,5$ bar (for coupling area). Oil resistant seal acc. to requirements of EN 681-2 p.5.10.

Sealing ring material: EPDM (ethylene-propylene-diene rubber (terpolymer)).

Pipe produced according to standard: EN 13476-2

Sealing rings conform to standard: EN 681-1/A3



Nominal ring stiffness class:
 \geq SN8 (kN/m²)

Ring flexibility: **RF30**

Impact resistance at -10°C :

❄️ (Ice crystal)

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APPLICATION AREA

RIGID MULTI PP pipes are applicable in utility wastewater and stormwater gravity sewerage systems.

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).

- Utility sewerage systems at building construction areas
- Street construction - with and without traffic load
- Extension of existing sewerage system networks
- In parks, squares and recreational areas
- Etc.

PRODUCT DIMENSIONS

Nominal size DN/OD [mm]	110	160	200	250	315	400
Length, [m]	2 / 3 / 6					

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PRODUCT PARAMETERS

Pipe physical and mechanical properties

Parameter	Value	Test method
Material	Polypropylene (PP-B)	
Ring stiffness, SN [kN/m ²]	≥8	EN ISO 9969
Ring flexibility RF, at 23°C and RH50 %	At 30% sample deformation without changes in pipe structure (complies with class RF30)	EN ISO 13968
Impact strength at -10°C (staircase method)	H ₅₀ ≥ 1000 mm	EN ISO 11173
Creep ratio, at 23°C /1008 h	≤ 4 at 2 years extrapolation	EN ISO 9967

Sealing ring physical and mechanical properties

WCL type rubber sealing ring

Material	EPDM	ISO 1629
Durability in low temperature, at t=-25°C	72 h	ISO 815
	168 h	ISO 3387
Chemical resistance	pH2 < pH < pH12	ISO/TR 7620
Permeability pressure	≤ 0,5 bar	EN ISO 13254 EN ISO 13259 Condition B and C
Oil resistance*	Conforms	EN 681-2

*Oil resistant seal acc. to requirements of EN 681-2 p.5.10; conformity determined by Volume change in oil test acc. to ISO 1817

Nominal ring stiffness class:
≥SN8 (kN/m²)

Ring flexibility: **RF30**

Impact resistance at -10°C:

❄️ (Ice crystal)

PRODUCT MARKING

Pipe marking

Aspect	Marking
Manufacturers information	EVOPIPES
Product name	RIGID MULTI PP
QA organization signature	Nordic Poly Mark
Extrusion type	MULTILAYER
Standard number	EN 13476-2
Ring stiffness class	SN8
Ring flexibility	RF30
Impact resistance	Ice crystal
Intended installation area code	UD
Pipe nominal size	e.g. DN/OD200
Pipe length	e.g. 6m
Date of production	date
Batch No.	Reference number

Open product