

TECHNICAL DATA SHEET



RIGID MONO PP SN8

Smooth solid-wall sewage pipes, EN 1852-1, with friction welded socket and locking seal ring

Conformity:
EN 1852-1



PRODUCT DESCRIPTION

RIGID MONO PP smooth-wall pipes for gravity sewer network systems with friction welded socket and locking seal ring. Solid-wall pipe designed from homogeneous flexural modulus polypropylene (PP) material.

Standard colour of the RIGID MONO PP pipe is reddish brown. The supplied sealing ring grants a hermetic seal with a pressure rating of $\geq 0,5$ bar (for coupling area).

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

Pipe produced according to standard: EN 1852-1

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



APPLICATION AREA

RIGID MONO 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.

Nominal ring stiffness class:
 \geq SN8 [kN/m²]

Ring flexibility: RF30

Impact resistance at -10°C :

❄ (ice crystal)

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 |

PRODUCT MARKING

Pipe marking

| Aspect | Marking |
|---------------------------------|------------------|
| Manufacturers information | EVOPIPES |
| Product name | RIGID MONO PP |
| QA organization signature | Nordic Poly Mark |
| Standard number | EN 1852-1 |
| Ring stiffness class | SN8 |
| Ring flexibility | RF30 |
| Impact resistance | Ice crystal |
| Intended installation area code | UD |
| Pipe nominal size | e.g. DN/OD200 |
| S-series | S14 |
| Pipe length | e.g. 6m |
| Date of production | date |
| Batch No. | Reference number |

Nominal ring stiffness class:
 ≥SN8 [kN/m²]

Ring flexibility: **RF30**

Impact resistance at -10°C:

❄️ (ice crystal)

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