

TECHNICAL DATA SHEET



RIGID MONO PP-MD SN10

Smooth solid-wall sewage pipes with mineral modifiers, EN 14758-1 type A

Conformity:
EN 14758-1 Type A

PRODUCT DESCRIPTION

RIGID MONO PP-MD smooth-wall pipes with mineral modifiers for gravity sewer network systems. These pipe come with friction welded socket and locking seal ring. Solid-wall pipe designed from homogeneous flexural modulus polypropylene (PP) material. 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 14758-1

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



APPLICATION AREA

RIGID MONO PP-MD pipes are applicable in utility wastewater and stormwater gravity sewerage systems.

Intended installation depth for pipes with nominal ring stiffness SN10 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 SN10 [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]	≥10	EN ISO 9969
Ring flexibility RF, at 23°C and 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 ≥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:
≥SN10 [kN/m²]

Ring flexibility: **RF30**

Impact resistance at -10°C:

❄️ (ice crystal)

Open product

PRODUCT MARKING

Pipe marking

Aspect	Marking
Manufacturers information	EVOPIPES
Product name	RIGID MONO PP-MD
Standard number	EN 14758-1 Type A
Ring stiffness class	SN10
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