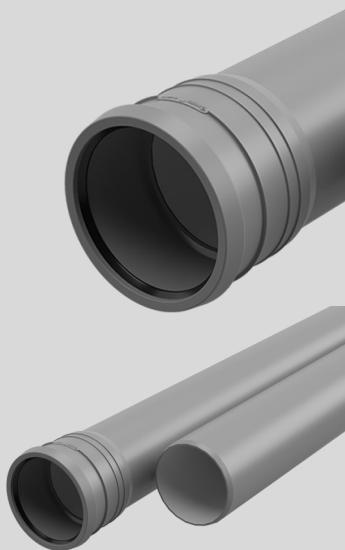


TECHNICAL DATA SHEET



RIGID MULTI UV10

DN/OD series drainage pipe with smooth internal and external surface, type R3

Conformity:
 EN 13476-2
 DIN 4262-1

PRODUCT DESCRIPTION

RIGID MULTI UV10 is UV radiation resistant drainage discharge pipe with integral socket and integrated sealing ring. 3-layer construction technology ensures excellent mechanical properties and smooth inner surface ensures excellent hydraulic parameters. 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.

Pipe material: polypropylene (PP)

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

Perforation type: unperforated (UP)

Pipe produced according to standard: EN 13476-2 and DIN 4262-1 standard specifications

Lifetime: over 50 years

Ring stiffness: **$\geq SN8$ (kN/m²)**

Ring flexibility: **RF30**

UV radiation resistance:
>700 kLy

APPLICATION AREA

Drainage systems at discharge sites with direct UV radiation.

UV RESISTANCE

UV radiation exposure is radiation energy which is emitted over the particular time period in a particular area. It can be expressed in the following measurements, as: W·h/m², J/m² or most often as **Langley (Ly)**. That is a measurement which expresses energy radiation power distribution on a surface and it is used to measure sun radiation.

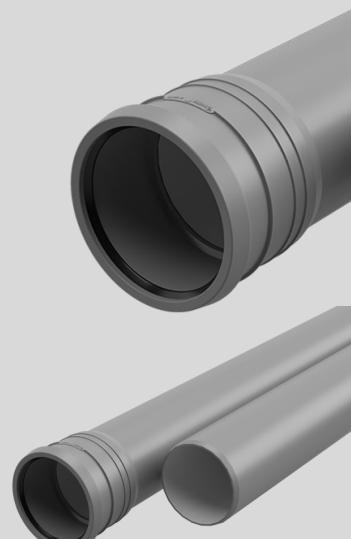
RIGID MULTI UV10 is made from specially modified polypropylene (PP) to withstand UV radiation **>700 kLy** (in Latvia for a period of 10 years).

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PRODUCT DIMENSIONS

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

TECHNICAL DATA SHEET


Ring stiffness: \geq SN8 (kN/m²)
Ring flexibility: RF30
**UV radiation resistance:
>700 kLy**

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PRODUCT PARAMETRS

Pipe physical and mechanical properties

Parameter	Value	Test method
Material	Polypropylene (PP-B)	
Ring stiffness, SN [kN/m ²]	\geq 8	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)	$H_{50} \geq 1000$ mm	EN ISO 11173
Creep ratio, at 23°C /1008 h	≤ 4 at 2 years extrapolation	EN ISO 9967
Coefficient of linear expansion	12×10^{-5} [1/°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 t=-25°C	72 h	ISO 815
	168 h	ISO 3387
Chemical resistance	pH2 < pH < pH12	ISO/TR 7620
Permeability pressure	$\leq 0,5$ bar	EN ISO 13254
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

PRODUCT MARKING

Pipe marking

Aspect	Marking
Manufacturers information	EVOPIPES
Product name	RIGID MULTI PP UV10
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

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