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Supplied in coils or on wooden drums.

Material	Only INSTA-CERT approved PE80 raw materials are used
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INSTA-CERT approved raw materials comply with DS/EN 12201.

Size	SDR	Mean Outside Diam			I.D nom	Wall Thickness			Mass nom g/m
		Min	NOM	Max		Min	NOM	Max	
32-90 mm	17	Comply to DS/EN 12201 (See appendix MHT 2702)							

The weight (mass) of the pipe shall be nominally calculated for 1m pipe

$$(OD - wt) \times wt \times \pi \times desity$$

OD (outside diameter) and wt (wall thickness) is in mm, and density for PE100 is 0.96 g/cm<sup>3</sup>.

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## Pipe Performance

Pipe ovality: Comply to EN 12201

Physical Properties:

Test	Standard	Result
Hydrostatic test 165 h	EN ISO 1167	OK
Elongation at Break	EN ISO 6259	>350%
Yield Stress	EN ISO 6259	>22MPa
Longitudinal reversion	EN ISO 2505	<3%
MFR (190°C/5kg)		
Deviation raw mat. To pipe: ≤ 20%	EN ISO 1133	OK
OIT ≥ 20 min*	ISO 11357	OK
Recommended minimum Bending Radius**		25xOuter diameter

\*Demand taken from EN 12201 which ensures oxidative stability of at least 50 years. This is under ambient temperature and pressure conditions with no chemical stress.

\*\*Bending radius lower than recommended will negatively impact the mechanical strength of the pipe, such as tensile strength.

Installation tension recommendation:

SDR 17		
Ø [mm]	Max install tension [kN]	Max install tension [kg]
32	2,1	211
40	3,1	318
50	4,9	496
63	7,8	792
75	11,0	1116
90	15,8	1608

\*Note that “,” separates for decimals and “.” separates for thousands

**Exposure:** The pipe shall be UV stabilised to withstand daylight exposure period of at least 12 months. Black pipes comply with EN 12201. However, for optimum performance, the pipe is best stored for no longer than 6 months if outdoors.

**Marking:** Standard number, intended use P, dimensions, material, SDR series, pressure rating in bar, Date and time, manufactures name, rawmaterial code, metermark, Jordvarmeslange.

**Environmental considerations:** Can be disposed to recycling.

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