

PE100 pipe

PE100 pipe is the standardised pipe for general purposes with the physical characteristics according to NEN-EN 12201. The pipe is produced as standard in various PN classes. The pipe can be widely used for irrigation installations and other applications where no certification is required. PE100 pipe is tested according to the same standards as certified KIWA pipe, but is not suitable for drinking water.

PE100 is used for larger diameters and is generally a harder hose or pipe.

APPLICATION: GENERAL

PE100 pipe is used for the transport of water through main and distribution lines in irrigation systems in (greenhouse) horticulture, agriculture and fruit growing. PE100 pipe is also used for frost mitigation, water supply for animals and for controlled drilling.

Many other applications, such as transport piping for heating mats, protective conduits for cables or PVC pipes or as a float are possible.

CHARACTERISTICS

- ✔ Standard PE100
- ✔ SDR21 to SDR11
- ✔ Not for drinking water applications

TECHNICAL DATA

PE grade	: PE100
Pressure class	: PN8 / PN10 / PN12.5 / PN16
Standards	: Dimensions and testing according to NEN-EN 12201-2 and NEN13244-2, not suitable for drinking water applications
Diameter	: 20 to 250 mm
Appearance	: black pipe with imprint SDR and PN class

Coil and pipe lengths for PE100 pipe

diameter (mm)	PE100 PN8 SDR21				PE100 PN10 SDR17				PE100 PN12,5 SDR13,6				PE100 PN16 SDR11			
	L=10m	R=50m	R=100m	haspel	L=10m	R=50m	R=100m	haspel	L=10m	R=50m	R=100m	haspel	L=10m	R=50m	R=100m	haspel
20														x	x	x
25									x	x	x		x	x	x	
32					x	x	x		x	x	x		x	x	x	
40	x	x	x		x	x	x		x	x	x		x	x	x	
50	x	x	x		x	x	x		x	x	x		x	x	x	
63	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
75	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
90	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
110	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
125	x			x	x	x	x	x	x	x	x	x	x	x	x	x
160	x				x			x	x			x	x			x
200	x				x				x				x			
250	x				x				x				x			

L = Supplied in straight lengths R = Supplied in coil

x = producible

Consult portfolio overview for availability

INSTALLATION & MAINTENANCE

Note: Never use detergents during assembly and use with PE material.

FOGGER LINE

Specially for fogger installations, a PE100 line has been developed with deviating wall thickness and PE composition so that the pipe can be punched for the installation of foggers. A higher working pressure is required for installations with foggers. The fogger line meets this requirement. For a 5 mm PE barb, a 3 mm punch hole must be created.

CHARACTERISTICS

- ☑ Fogger line PE100 is made from raw materials specially selected for applications with foggers

APPLICATION

Misting systems and other applications with punchable high pressure tubes

TECHNICAL DATA*

PE grade : PE100
 Pressure class : 8 bar
 Diameter : 20 mm, wall thickness 1.2 mm
 Color : black
 : black-white (co-extrusion)
 Imprint : PE100
 Punch diameter : 3 mm

* Note: Adjustment from PE80 to PE100 in 2025