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Version: 2.1

Application

The pipes mentioned in this data sheet can be used in irrigation systems. These pipes are not suitable for drinking water applications. The temperature of the wall of the pipe needs to be 0°C and 45°C. When the wall temperature of the pipe is between 26°C and 35°C a reduction factor of 0,8 shall be applied on the maximum operating pressure. In case of a wall temperature between 36°C and 45°C the reduction factor is 0,63.

Pressure classes

Available dimensions

Nominal outside diameter	Class 7,5	Class 10	Class 12,5	Class 16
25	On request	On request	On request	On request
32	On request	Yes	Yes	Yes
40	On request	Yes	Yes	Yes
50	Yes	Yes	Yes	Yes
63	Yes	Yes	Yes	Yes
75	Yes	Yes	Yes	On request
90	Yes	Yes	Yes	On request
110	Yes	Yes	Yes	On request
125	Yes	Yes	Yes	On request
160	Yes	Yes	Yes	On request
200	Yes	Yes	On request	On request
250	Yes	Yes	On request	On request
315	Yes	Yes	On request	On request
400	On request	On request	On request	On request

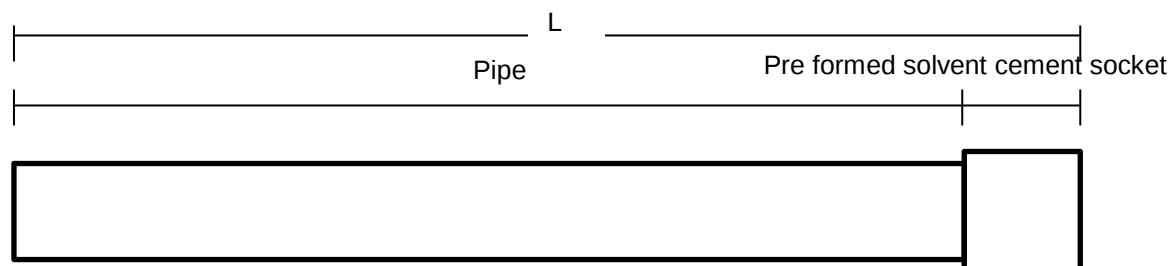
Minimum pressure at 1 hour pressure test at 20°C (bar)

Nominal outside diameter	Class 7,5	Class 10	Class 12,5	Class 16
All	According to NEN-EN-ISO 1167-1:2006			

Minimum pressure at 100 hour pressure test at 20°C (bar)

Nominal outside diameter	Class 7,5	Class 10	Class 12,5	Class 16
All	According to NEN-EN-ISO 1167-1:2006			

Dimensions



Schematic overview of pressure pipe with pre formed solvent cement socket

Dimensions of the pipe (mm)

Nominal outside diameter	Tolerance on mean outside diameter	Maximum out-of-roundness ¹⁾
25	0,2	0,5
32	0,2	0,5
40	0,2	0,5
50	0,2	0,6
63	0,3	0,8
75	0,3	0,9
90	0,3	1,1
110	0,4	1,4
125	0,4	1,5
160	0,5	2,0
200	0,6	2,4
250	0,8	3,0
315	1,0	3,8
400	1,2	4,8

¹⁾The maximum out-of-roundness is only applicable for pipes before leaving the premises of the Omniplast production plant

Dimensions of the solvent cement socket (mm)

Nominal outside diameter	Mean inside diameter min	Mean inside diameter max	Maximum out-of-roundness ¹⁾	Minimum socket length
25	25,1	25,3	0,25	18,5
32	32,1	32,3	0,25	22,0
40	40,1	40,3	0,25	26,0
50	50,1	50,3	0,3	31,0
63	63,1	63,3	0,4	37,5
75	75,1	75,3	0,5	43,5
90	90,1	90,3	0,6	51,0
110	110,1	110,4	0,7	61,0
125	125,1	125,4	0,8	68,5
160	160,2	160,5	1,0	86,0
200	200,2	200,6	1,2	106,0
250	250,3	250,8	1,5	131,0
315	315,4	316,0	1,9	163,5
400	400,5	401,2	2,4	206,0

¹⁾The maximum out-of-roundness is only applicable for pipes before leaving the premises of the Omniplast production plant

Other specifications

- Tolerance on the nominal length (L): +0mm and -5mm.
- Colour: Dark grey
- Packed in wooden frames, not in foil.
- The spigot end of the pipe is chamfered
- Marking:
 - PVC-U
 - Type
 - EAN nr.
 - Omniplast logo
 - Recycling logo + “PVC met hergebruik garantie”
 - Production line information
 - Date & Time

Additional tests:

- Resistance to dichloromethane at 15°C during 30 minutes to test the gelation during extrusion: No attack at any part of the surface of the test piece.
- After heating to 150°C, the longitudinal reversion shall be maximum 5%.