



SECTION I

Polyethylene Pipes

- Description:** Polyethylene pipes for low- and high- pressure water supply, conveyance of other suitable fluids and irrigation systems.
- Range :** Metric series from Ø16 up to Ø 250mm, Imperial series from Ø ½" up to Ø 1"
- Pressure Rating:** Pipes are available with pressure rating from 1 up to 25 bar at 20°C. Maximum working pressure is related to the SDR (diameter/thickness ratio), the safety coefficient C and the MRS of the pipe material.

The pressure rating has to be adjusted as shown in the figure below, if the pipes are to be used at higher temperatures.

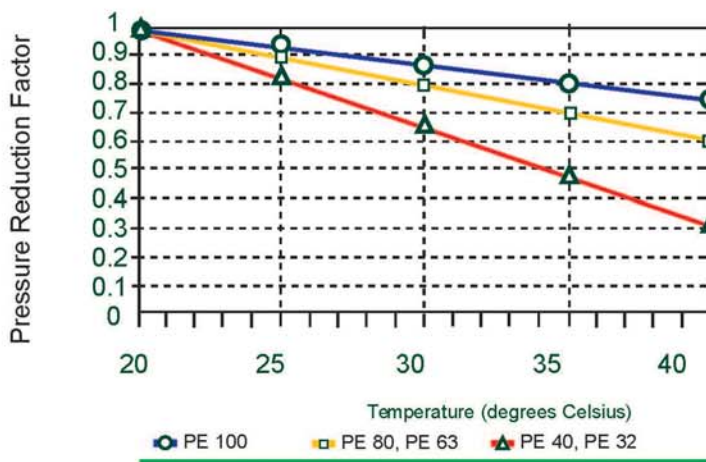


Figure 2

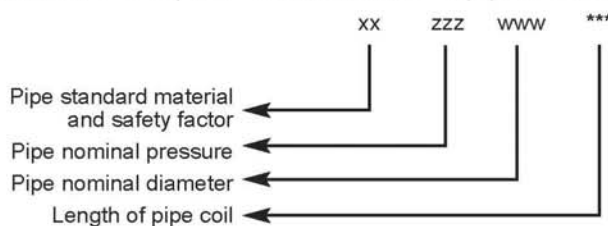
Methods of joining: Pipes in the range Ø 16 - Ø 110mm can be joined by using Elysee compression fittings, pipes in the range 125 - 250mm butt fusion welding or electrofusion.

Lengths available: Straight lengths of 6 and 12 m or coils of 50, 100 or 200 meters

Materials: Low (PE32 & PE40), Medium and High Density PE pipes are approved for use in potable water supply systems. Black PE pipes are suitable for long exposure to sunlight (UV) and give excellent chemical resistance.

Please refer to technical catalogue for specific data sheets.

Code for PE Pipes: The code for PE pipes reads as follows:



Example:

Order code 33 125 075 100 stands for: 100m coil of high-density (PE 80) polyethylene pipe 75mm nominal diameter and 12,5 bar nominal pressure, which is manufactured according to EN 12201 standard, using safety factor 1,25.

PE DRIPLINE

No.530

INTEGRATED DRIPLINE



Code	Description (mm - l/h -Sp*)	Max. lateral length (m)	Coils (m)	Price (€/coil)
530 01640 020	16/4/20		400	
530 01640 025	16/4/25		400	
530 01640 033	16/4/33	43	400	
530 01640 045	16/4/45	55	400	
530 01640 060	16/4/60	71	400	
530 01640 075	16/4/75	75	400	
530 01640 100	16/4/100	86	400	
530 02040 020	20/4/20	41	300	
530 02040 025	20/4/25	51	300	
530 02040 033	20/4/33	68	300	
530 02040 045	20/4/45	90	300	
530 02040 060	20/4/60	105	300	
530 02040 075	20/4/75	118	300	
530 02040 100	20/4/100	145	300	

No.531

PRESSURE COMPENSATED DRIPLINE



Code	Description (mm - l/h -Sp*)	Max. lateral length (m)	Coils (m)	Price (€/coil)
531 01638 033	16/3,8/33	60	400	
531 01638 045	16/3,8/45	100	400	
531 01638 060	16/3,8/60	120	400	
531 01638 075	16/3,8/75	140	400	
531 01638 100	16/3,8/100	180	400	
531 02038 033	20/3,8/33	120	300	
531 02038 045	20/3,8/45	140	300	
531 02038 060	20/3,8/60	200	300	
531 02038 075	20/3,8/75	240	300	
531 02038 100	20/3,8/100	300	300	

No.543

TAPE Ø 17

NEW



Code	Thickness mil	Coils (m)	Price (€/coil)
543 06 17 XX	6	2600	
543 08 17 XX	8	2500	
543 10 17 XX	10	2200	
543 12 17 XX	12	1500	
543 15 17 XX	15	1500	

Available emitter spacings: 10 - 20 - 30 cm.

No.542

DRIP TAPE Ø17 mm with FLAT EMITTERS

NEW



Code	Thickness mil	Emitter Spacing cm	Coils (m)	Price (€/coil)
542 06 17 2024	6	20	2400	
542 06 17 2525	6	25	2500	
542 06 17 3026	6	30	2600	
542 06 17 4027	6	40	2700	
542 06 17 5028	6	50	2800	
542 08 17 2023	8	20	2300	
542 08 17 2524	8	25	2400	
542 08 17 3025	8	30	2500	
542 08 17 4026	8	40	2600	
542 08 17 5027	8	50	2700	
542 10 17 2020	10	20	2000	
542 10 17 2521	10	25	2100	
542 10 17 3022	10	30	2200	
542 10 17 4023	10	40	2300	
542 10 17 5025	10	50	2500	
542 12 17 2016	12	20	1600	
542 12 17 2515	12	25	1500	
542 12 17 3015	12	30	1500	
542 12 17 4017	12	40	1700	
542 12 17 5018	12	50	1800	
542 15 17 2013	15	20	1350	
542 15 17 2514	15	25	1400	
542 15 17 3015	15	30	1500	
542 15 17 4016	15	40	1600	
542 15 17 5017	15	50	1700	

Available emitter spacings:
20 - 25 - 30 - 40 - 50 cm.



More emitters spacing and wall thicknesses are available under request

Available Flow Rate: 0.8 - 1.3 - 1.6 - 2.6 - 4 LPH

No.30

LAYFLAT HOSE FOR DRIPPERLINE OR TAPE

NEW



Code	Nominal Diameter (in)	Wall Thickness (mm)	Working Pressure (BAR)	Weight (kg/m)	Price (€/m)
30 020 006***	2	1.5	2	0.365	
30 020 007***	2½	1.5	2	0.449	
30 020 008***	3	1.6	2	0.539	
30 020 009***	4	1.7	2	0.789	
30 020 012***	6	1.9	2	1.293	

No.30

LAYFLAT HOSE FOR WATER SUPPLY

NEW



Code	Nominal Diameter (in)	Wall Thickness (mm)	Working Pressure (BAR)	Weight (kg/m)	Price (€/m)
30 060 006***	2	1.6	6	0.539	
30 060 007***	2½	2.3	6	0.59	
30 060 008***	3	2.4	6	0.969	
30 060 009***	4	2.9	6	1.398	
30 060 012***	6	3.7	6	2.497	

POLYETHYLENE PIPES

No.582

ELYSEE DRIP



Code	Description (mm - l/h -Sp*)	Nominal Diameter (mm)	Min Wall thickness (mm)	Coils (m)	Price (€/m)
582 010 020 ***	drippers 10l/h	20	1.4	200	

No.610

SOFT PVC



Code	Nominal Diameter (mm)	Weight (kg/m)	Price (€/m)
610 5030***	5X3	0.015	
610 6040***	6X4	0.019	
610 6540***	6,5X4	0.029	
610 7040***	7X4	0.030	
610 9060***	9X6	0.053	

No.12*(CYS106)

LDPE (PN4 & PN6)

PN4 (SDR:13.6)



Code	Nominal Diameter (mm)	Min Wall Thickness (mm)	Weight (kg/m)	Price (€/m)
12 040 016***	16	1.5	0.077	
12 040 020***	20	1.6	0.099	
12 040 025***	25	1.9	0.139	
12 040 032***	32	2.4	0.225	
12 040 040***	40	3.0	0.345	

No.13*

LDPE (PN4)

PN4

NEW



Code	Nominal Diameter (mm)	Min Wall Thickness (mm)	Weight (kg/m)	Price (€/m)
13 040 016***	16	1.4	0.067	
13 040 020***	20	1.5	0.09	

No.21*(BS 6572)

PN12 (SDR:11)



Code	Nominal Diameter (mm)	Min Wall Thickness (mm)	Weight (kg/m)	Price (€/m)
21 120 020***	20	2.3	0.126	
21 120 025***	25	2.3	0.161	
21 120 032***	32	3.0	0.269	
21 120 040***	40	3.7	0.421	
21 120 050***	50	4.6	0.646	
21 120 063***	63	5.8	1.02	

No.33*(EN 12201)

PN6 (SDR:21)



Code	Nominal Diameter (mm)	Min Wall Thickness (mm)	Weight (kg/m)	Price (€/m)
33 060 050***	50	2.4	0.371	
33 060 063***	63	3.0	0.576	
33 060 075***	75	3.6	0.825	
33 060 090***	90	4.3	1.18	
33 060 110***	110	5.3	1.77	

No.33*(EN 12201)

PN12.5 (SDR:11)



Code	Nominal Diameter (mm)	Min Wall Thickness (mm)	Weight (kg/m)	Price (€/m)
33 125 020***	20	2.3	0.126	
33 125 025***	25	2.3	0.161	
33 125 032***	32	3.0	0.269	

No.41*(EN 12201)

PN10 (SDR:17)



Code	Nominal Diameter (mm)	Min Wall Thickness (mm)	Weight (kg/m)	Price (€/m)
41 100 040***	40	2.4	0.293	
41 100 050***	50	3.0	0.451	
41 100 063***	63	3.8	0.719	
41 100 075***	75	4.5	1.01	
41 125 090***	90	5.4	1.46	
41 125 110***	110	6.6	2.17	

No.41*(EN 12201)

PN 16 (SDR:11)



Code	Nominal Diameter (mm)	Min Wall Thickness (mm)	Weight (kg/m)	Price (€/m)
41 160 020***	20	2.0	0.116	
41 160 025***	25	2.3	0.169	
41 160 032***	32	3.0	0.277	
41 160 040***	40	3.7	0.429	
41 160 050***	50	4.6	0.665	
41 160 063***	63	5.8	1.05	
41 160 075***	75	6.8	1.47	
41 160 090***	90	8.2	2.13	
41 160 110***	110	10.0	3.16	

No.19*(BS 1972)

PN9 (SDR:8)



Code	Nominal Diameter (in)	Min Outside Diameter (mm)	Min Wall Thickness (mm)	Weight (kg/m)	Price (€/m)
19 090 001***	½	21.2	2.7	0.153	
19 090 002***	¾	26.6	3.4	0.235	
19 090 003***	1	33.4	4.2	0.361	

POLYETHYLENE PIPES EN 12201

Material	Safety Factor	PRESSURE RATING												Nominal Diameter (mm)	Temperature In °C	Years of Service														
		PRESSURE RATING				PRESSURE RATING				PRESSURE RATING																				
		CODE	PN	CODE	PN	CODE	PN	CODE	PN	CODE	PN	CODE	PN				CODE	PN	S	Weight (kg/m)	Price (€)	S	Weight (kg/m)	Price (€)	S	Weight (kg/m)	Price (€)	S	Weight (kg/m)	Price (€)
PE80	1.25	33050-***	5.0	33060-***	6.0	33080-***	8.0	33100-***	10.0	33125-***	12.5	33160-***	16.0	33200-***	20.0	33250-***	25.0	20.0	33200-***	16.0	33160-***	12.5	33160-***	16.0	33200-***	20.0	33250-***	25.0	20	50
PE80	1.6	34040-***	4.0	34050-***	5.0	34060-***	6.0	34080-***	8.0	34100-***	10.0	34125-***	12.5	34160-***	16.0	34200-***	20.0	16.0	34160-***	12.5	34125-***	10.0	34125-***	10.0	34160-***	16.0	34200-***	20.0	20	50
*PE100	1.25	41060-***	6.0	41080-***	8.0	41100-***	10.0	41125-***	12.5	41160-***	16.0	41200-***	20.0	41250-***	25.0				41250-***	20.0	41200-***	16.0	41200-***	16.0	41250-***	25.0	20	50		
*PE100	1.6	42050-***	5.0	42060-***	6.0	42080-***	8.0	42100-***	10.0	42125-***	12.5	42160-***	16.0	42200-***	20.0	42250-***	25.0		42200-***	16.0	42160-***	12.5	42160-***	16.0	42200-***	20.0	42250-***	25.0	20	50
Nominal Diameter (mm)		S	Weight (kg/m)	Price (€)	S	Weight (kg/m)	Price (€)	S	Weight (kg/m)	Price (€)	S	Weight (kg/m)	Price (€)	S	Weight (kg/m)	Price (€)	S	Weight (kg/m)	Price (€)	S	Weight (kg/m)	Price (€)	S	Weight (kg/m)	Price (€)	S	Weight (kg/m)	Price (€)	Nominal Diameter (mm)	
16																													16	
20																													20	
25																													25	
32																													32	
40																													40	
50																													50	
63																													63	
75																													75	
90																													90	
110																													110	
125																													125	
140																													140	
160																													160	
180																													180	
200																													200	
225																													225	
250																													250	
SDR		26	21	17	13.6	11	9	7.4	6																				SDR	