

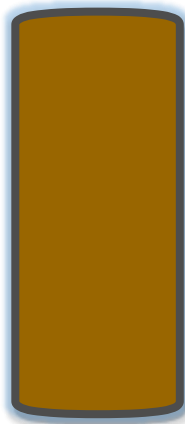
Streaming Water. Streaming Life!



Polyethylene & Soft Pipes

Polyethylene & Soft Pipes

Polyethylene & Soft Pipes



- **Agriculture**
- **Landscape**
- **Building Infrastructure**
- **Industry**

Polyethylene & Soft Pipes

HDPE Standards

EN12201 - Plastics piping systems for water supply, Polyethylene (PE). Specifies the characteristics of pipes made from polyethylene (PE 100, PE 80 and PE 40) for buried and above ground applications intended for the conveyance of water for human consumption, raw water prior to treatment, drainage and sewerage under pressure, vacuum sewer systems and water for other purposes.

EN 12201

PN6 / SDR:21 / PE80

Code	Nominal Diameter (mm)	Min. Wall Thickness (mm)	Approximate Weight (Kg/m)
33 060 040***	40	2.0	0.245
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
33 060 125***	125	6.0	2.27

EN 12201

PN10 / SDR:13.6 / PE80

Code	Nominal Diameter (mm)	Min. Wall Thickness (mm)	Approximate Weight (Kg/m)
33 100 025***	25	2.0	0.148
33 100 032***	32	2.4	0.230
33 100 040***	40	3.0	0.360
33 100 050***	50	3.7	0.548
33 100 063***	63	4.7	0.873
33 100 075***	75	5.6	1.24
33 100 090***	90	6.7	1.77
33 100 110***	110	8.1	2.62
33 100 125***	125	9.2	3.38



EN 12201

PN10 / SDR:17 / PE100

Code	Nominal Diameter (mm)	Min. Wall Thickness (mm)	Approximate Weight (Kg/m)
41 100 032***	32	2.0	0.193
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
41 100 090***	90	5.4	1.46
41 100 110***	110	6.6	2.17

EN 12201

PN16 / SDR:11 / PE100

Code	Nominal Diameter (mm)	Min. Wall Thickness (mm)	Approximate Weight (Kg/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



LDPE Standards

CYS 106 – Low Density Polyethylene (LDPE) for agricultural applications. This standard specifies the characteristics of preferable black LDPE pipes intended to be used for conveyance of water for agricultural applications. This standard covers pipes with nominal outside diameters from 16 mm to 40 mm and nominal pressures of 4 bar and 6 bar. It also specifies the test parameters for the test methods referred to in this standard.



ISO 8779 – Plastics piping systems, Polyethylene (PE) pipes for irrigation, Specifications. This International Standard specifies the pipes (mains, sub-mains and laterals) with nominal outside diameters from 12 mm up to and including 63 mm made from polyethylene (PE) intended to be used for the conveyance of water for irrigation. It also specifies the general properties of PE and the test parameters for the pipes designated.

MDPE Standard

BS6572 - Specification for blue polyethylene pipes up to nominal size 63 for below ground use for potable water. Specifies the requirements for small sizes of pipe in metric series diameters coloured blue for carrying potable water, especially underground or in ducts with other services. Suitable for water authority use in respect of proposed byelaw requirements for protecting water quality.

CYS 106

PN4 / SDR:13.6 / PE32

Code	Nominal Diameter (mm)	Min. Wall Thickness (mm)	Approximate Weight (Kg/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

ISO 8779

PN4 / SDR:13.6 / PE32

Code	Nominal Diameter (mm)	Min. Wall Thickness (mm)	Approximate Weight (Kg/m)
13 040 016***	16	1.4	0.067
13 040 020***	20	1.5	0.090

BS 6572

PN12 / SDR:11 / PE80

Code	Nominal Diameter (mm)	Min. Wall Thickness (mm)	Approximate Weight (Kg/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	1.020



Polyethylene & Soft Pipes

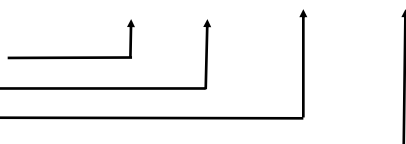
Material	Safety Factor	Codes & Pressure Ratings															
		Temperature: 20 C° - 50 Years Service															
		Code	PN	Code	PN	Code	PN	Code	PN	Code	PN	Code	PN	Code	PN	Code	PN
PE 80	1,25	33050***	5,0	33060***	6,0	33080***	8,0	33100***	10,0	33125***	12,5	33160***	16,0	33200***	20,0	33250***	25,0
PE 80	1,60	34040***	4,0	34050***	5,0	34060***	6,0	34080***	8,0	34100***	10,0	34125***	12,5	34160***	16,0	34200***	20,0
PE 100	1,25	41060***	6,0	41080***	8,0	41100***	10,0	41125***	12,5	41160***	16,0	41200***	20,0	41250***	25,0		
PE 100	1,60	42050***	5,0	42060***	6,0	42080***	8,0	42100***	10,0	42125***	12,5	42160***	16,0	42200***	20,0	42250***	25,0

SDR	26,0		21,0		17,0		13,6		11,0		9,0		7,4		6,0	
Nominal Diameter	Wall Thickness	Weight	Wall Thickness	Weight	Wall Thickness	Weight	Wall Thickness	Weight	Wall Thickness	Weight	Wall Thickness	Weight	Wall Thickness	Weight	Wall Thickness	Weight
mm	mm	Kg/m	mm	Kg/m	mm	Kg/m	mm	Kg/m	mm	Kg/m	mm	Kg/m	mm	Kg/m	mm	Kg/m
16											2,00	0,09	2,30	0,10	3,00	0,12
20									2,00	0,12	2,30	0,13	3,00	0,16	3,40	0,18
25							2,00	0,15	2,30	0,17	3,00	0,21	3,40	0,24	4,20	0,28
32					2,00	0,19	2,40	0,23	3,00	0,28	3,60	0,33	4,40	0,39	5,40	0,45
40			2,00	0,25	2,40	0,29	3,00	0,36	3,70	0,43	4,50	0,51	5,50	0,60	6,70	0,70
50	2,00	0,31	2,40	0,37	3,00	0,45	3,70	0,55	4,60	0,67	5,60	0,79	6,90	0,94	8,30	1,09
63	2,50	0,49	3,00	0,58	3,80	0,72	4,70	0,87	5,80	1,05	7,10	1,26	8,60	1,48	10,50	1,73
75	2,90	0,67	3,60	0,83	4,50	1,01	5,60	1,24	6,80	1,47	8,40	1,77	10,30	2,10	12,50	2,46
90	3,50	0,97	4,30	1,18	5,40	1,46	6,70	1,77	8,20	2,13	10,10	2,55	12,30	3,01	15,00	3,54
110	4,20	1,43	5,30	1,77	6,60	2,17	8,10	2,62	10,00	3,16	12,30	3,80	15,10	4,52	18,30	5,27
125	4,80	1,84	6,00	2,27	7,40	2,77	9,20	3,38	11,40	4,10	14,00	4,91	17,10	5,81	20,80	6,80
140	5,40	2,32	6,70	2,84	8,30	3,48	10,30	4,24	12,70	5,11	15,70	6,15	19,20	7,30		
160	6,20	3,05	7,70	3,73	9,50	4,54	11,80	5,53	14,60	6,70	17,90	8,02				
180	6,90	3,79	8,60	4,68	10,70	5,74	13,30	7,02	16,40	8,49	20,10	10,10				
200	7,70	4,71	9,60	5,80	11,90	7,08	14,70	8,62	18,20	10,50	22,40	12,50				
225	8,60	5,92	10,30	6,97	13,40	8,99	16,60	10,90	20,50	13,20	25,20	15,90				
250	9,60	7,34	11,40	8,57	14,80	11,00	18,40	13,50	22,70	16,30						

How to read the code:

XX ZZZ WWW ***

Pipe Standard Material & Safety Factor
 Pipe Nominal Pressure
 Pipe Nominal Diameter
 Length of Pipe coil/piece



How to read the table

SDR - the ratio of pipe diameter to wall thickness

SDR= D / s

D= pipe outside diameter (mm)

s= pipe wall thickness (mm)

S.F. - is the safety factor of a pipe and has standard values of 1.25 and 1.6

SF = Short-Term Strength / Short-Term Load in Service



Polyethylene & Soft Pipes

Soft Micro-tubes (PVC & PE) & LDPE Pipes

No. 610 Soft PVC Pipe (Pieces)



Code	Diameter x Thickness - Length	Pack	Box
61054320005	Ø 5.4 x 3.2 mm - 50 cm	100	? P
61054320006	Ø 5.4 x 3.2 mm - 60 cm	100	? P
61054320008	Ø 5.4 x 3.2 mm - 80 cm	100	? P
61054320010	Ø 5.4 x 3.2 mm - 100 cm	100	? P
61074480005	Ø 7.4 x 4.8 mm - 50 cm	100	? P
61074480006	Ø 7.4 x 4.8 mm - 60 cm	100	? P
61074480008	Ø 7.4 x 4.8 mm - 80 cm	100	? P
61074480010	Ø 7.4 x 4.8 mm - 100 cm	100	? P
61074480012	Ø 7.4 x 4.8 mm - 120 cm	100	? P
61074480015	Ø 7.4 x 4.8 mm - 150 cm	100	? P
61074480020	Ø 7.4 x 4.8 mm - 200 cm	100	? P

No. 610 Soft PVC Pipe (Reels)



Code	Diameter x Thickness	Length (m)	Packing
61030050000	Ø 3.0 x 1.0 mm	500	1 C
61054305000	Ø 5.0 x 3.0 mm	500	1 C
61054325000	Ø 5.4 x 3.2 mm	500	1 C
61060355000	Ø 6.0 x 3.5 mm	500	1 C
61060405000	Ø 6.0 x 4.0 mm	500	1 C
61074485000	Ø 7.4 x 4.8 mm	500	1 C
61090601000	Ø 9.0 x 6.0 mm	100	1 C

No. 610 LDPE Spaghetti Pipe



Code	Diameter x Thickness	Length (m)	Packing
61083535000	Ø 8.3 x 5.3 mm	500	1 C

No. 1304 LDPE Pipe (ISO 8779) SDR 13.6 - PN 4



Code	Diameter x Thickness	Length (m)	Packing
13040016100	Ø 16 x 1,4 mm	100	1 C
13040020100	Ø 20 x 1,5 mm	100	1 C

No. 1204 LDPE Black (CYS106) SDR 13,6 - PN 4



Code	Diameter x Thickness	Length (m)	Packing
12040016100	Ø 16 x 1,5 mm	100	1 C
12040020100	Ø 20 x 1,6 mm	100	1 C
12040025100	Ø 25 x 1,9 mm	100	1 C
12040032100	Ø 32 x 2,4 mm	100	1 C
12040040100	Ø 40 x 3,0 mm	100	1 C

No. 1814 LDPE White (CYS106) - SDR 13,6 - PN 4



Code	Diameter x Thickness	Length (m)	Packing
18140016100	Ø 16 x 1,5 mm	100	1 C
18140020100	Ø 20 x 1,6 mm	100	1 C
18140025100	Ø 25 x 1,9 mm	100	1 C

No. 1804 LDPE Brown (CYS106) - SDR 13,6 - PN 4



Code	Diameter x Thickness	Length (m)	Packing
18040016100	Ø 16 x 1,5 mm	100	1 C
18040020100	Ø 20 x 1,6 mm	100	1 C
18040025100	Ø 25 x 1,9 mm	100	1 C

Polyethylene & Soft Pipes

MDPE & HDPE Pipes

No. **MDPE Pipe (BS6572)**
22120 Black - PN 12 - SDR 11



Code	Diameter x Thickness	Length (m)	Packing
22120020001	Ø 20 x 2,3 mm	1	1 C
22120025001	Ø 25 x 2,3 mm	1	1 C
22120032001	Ø 32 x 3,0 mm	1	1 C
22120040001	Ø 40 x 3,7 mm	1	1 C
22120050001	Ø 50 x 4,6 mm	1	1 C
22120063001	Ø 63 x 5,8 mm	1	1 C

No. **MDPE Pipe (BS6572)**
21125 Blue - PN 12,5 - SDR 11



Code	Diameter x Thickness	Length (m)	Packing
21125020001	Ø 20 x 2,3 mm	1	1 C
21125025001	Ø 25 x 2,3 mm	1	1 C
21125032001	Ø 32 x 3,0 mm	1	1 C
21125040001	Ø 40 x 3,7 mm	1	1 C
21125050001	Ø 50 x 4,6 mm	1	1 C
21125063001	Ø 63 x 5,8 mm	1	1 C

No. **HDPE 80 (EN 12201) -**
33060 SDR 21 - PN 6



Code	Diameter x Thickness	Length (m)	Packing
33060040001	Ø 40 x 2,0 mm	1	1 C
33060050001	Ø 50 x 2,4 mm	1	1 C
33060063001	Ø 63 x 3,0 mm	1	1 C
33060075001	Ø 75 x 3,6 mm	1	1 C
33060090001	Ø 90 x 4,3 mm	1	1 P
33060110001	Ø 110 x 5,3 mm	1	1 P
33060125001	Ø 125 x 6,0 mm	1	1 P
33060160001	Ø 160 x 7,7 mm	1	1 P

No. **HDPE 80 (EN 12201) -**
33100 SDR 13,6 - PN 10



Code	Diameter x Thickness	Length (m)	Packing
33100020001	Ø 20 x 1,5 mm	1	1 C
33100025001	Ø 25 x 2,0 mm	1	1 C
33100032001	Ø 32 x 2,4 mm	1	1 C
33100040001	Ø 40 x 3,0 mm	1	1 C
33100050001	Ø 50 x 3,7 mm	1	1 C
33100063001	Ø 63 x 4,7 mm	1	1 C
33100075001	Ø 75 x 5,6 mm	1	1 C
33100090001	Ø 90 x 6,7 mm	1	1 P
33100110001	Ø 110 x 8,1 mm	1	1 P

No. **HDPE 80 (EN 12201) -**
33160 SDR 9 - PN 16



Code	Diameter x Thickness	Length (m)	Packing
33160016001	Ø 16 x 1,8 mm	1	1 C
33160020001	Ø 20 x 2,23 mm	1	1 C
33160025001	Ø 25 x 2,8 mm	1	1 C
33160032001	Ø 32 x 3,6 mm	1	1 C
33160040001	Ø 40 x 4,5 mm	1	1 C
33160050001	Ø 50 x 5,7 mm	1	1 C
33160063001	Ø 63 x 7,0 mm	1	1 C
33160075001	Ø 75 x 8,4 mm	1	1 C
33160090001	Ø 90 x 10,0 mm	1	1 P
33160110001	Ø 110 x 12,3 mm	1	1 P

Polyethylene & Soft Pipes

HDPE Pipes -

No. **HDPE 100 (EN 12201) -** **4110 SDR 17 - PN 10**



Code	Diameter x Thickness	Length (m)	Packing	
41100025001	Ø 25 x 1,57 mm	1	1 C	
41100032001	Ø 32 x 1,9 mm	1	1 C	
41100040001	Ø 40 x 2,4 mm	1	1 C	
41100050001	Ø 50 x 2,9 mm	1	1 C	
41100063001	Ø 63 x 3,7 mm	1	1 C	
41100075001	Ø 75 x 4,4 mm	1	1 C	
41100090001	Ø 90 x 5,3 mm	1	1 P	
41100110001	Ø 110 x 6,50 mm	1	1 P	
41100125001	Ø 125 x 7,4 mm	1	1 P	
41100140001	Ø 140 x 8,2 mm	1	1 P	
41100160001	Ø 160 x 9,4 mm	1	1 P	
41100180001	Ø 180 x 10,6 mm	1	1 P	
41100200001	Ø 200 x 11,8 mm	1	1 P	
41100225001	Ø 225 x 13,2 mm	1	1 P	
41100250001	Ø 250 x 14,7 mm	1	1 P	
41100280001	Ø 280 x 16,5 mm	1	1 P	
41100315001	Ø 315 x 18,5 mm	1	1 P	
41100400001	Ø 400 x 23,5 mm	1	1 P	

No. **HDPE 100 (EN 12201) -** **4112 SDR 13,6 - PN 12,5**



Code	Diameter x Thickness	Length (m)	Packing	
41125025001	Ø 25 x 1,8 mm	1	1 C	
41125032001	Ø 32 x 2,4 mm	1	1 C	
41125040001	Ø 40 x 2,9 mm	1	1 C	
41125050001	Ø 50 x 3,7 mm	1	1 C	
41125063001	Ø 63 x 4,6 mm	1	1 C	
41125075001	Ø 75 x 5,5 mm	1	1 C	
41125090001	Ø 90 x 6,6 mm	1	1 P	
41125110001	Ø 110 x 8,1 mm	1	1 P	
41125125001	Ø 125 x 9,2 mm	1	1 P	
41125250001	Ø 250 x 18,4 mm	1	1 P	

No. **HDPE 100 (EN 12201) -** **4116 SDR 11 - PN 16**



Code	Diameter x Thickness	Length (m)	Packing	
41160020001	Ø 20 x 1,8 mm	1	1 C	
41160025001	Ø 25 x 2,3 mm	1	1 C	
41160032001	Ø 32 x 2,9 mm	1	1 C	
41160040001	Ø 40 x 3,7 mm	1	1 C	
41160050001	Ø 50 x 4,5 mm	1	1 C	
41160063001	Ø 63 x 5,7 mm	1	1 C	
41160075001	Ø 75 x 6,8 mm	1	1 C	
41160090001	Ø 90 x 8,2 mm	1	1 P	
41160110001	Ø 110 x 10,0 mm	1	1 P	
41160125001	Ø 125 x 11,4 mm	1	1 P	
41160140001	Ø 140 x 12,7 mm	1	1 P	
41160160001	Ø 160 x 14,6 mm	1	1 P	
41160180001	Ø 180 x 16,4 mm	1	1 P	
41160200001	Ø 200 x 18,2 mm	1	1 P	
41160225001	Ø 225 x 20,5 mm	1	1 P	
41160250001	Ø 250 x 22,7 mm	1	1 P	
41160280001	Ø 280 x 35,5 mm	1	1 P	
41160315001	Ø 315 x 28,7 mm	1	1 P	

No. **HDPE 100 (EN 12201)** **4120 SDR 9 - PN 20**



Code	Diameter x Thickness	Length (m)	Packing	
41200025001	Ø 25 x 2,8 mm	1	1 C	
41200032001	Ø 32 x 3,6 mm	1	1 C	
41200040001	Ø 40 x 4,4 mm	1	1 C	
41200050001	Ø 50 x 5,6 mm	1	1 C	
41200063001	Ø 63 x 7,0 mm	1	1 C	
41200075001	Ø 75 x 8,3 mm	1	1 C	
41200090001	Ø 90 x 10,0 mm	1	1 P	
41200110001	Ø 110 x 12,2 mm	1	1 P	
41200125001	Ø 125 x 13,9 mm	1	1 P	
41200160001	Ø 160 x 17,8 mm	1	1 P	
41200200001	Ø 200 x 22,2 mm	1	1 P	

Polyethylene & Soft Pipes

Kerynia Regular Driplines the good choice...

Ideal Applications

Row crops, Orchards, Vegetables, Gardening, Landscaping

Suitable for both on surface and subsurface installations

Very high resistance to agrochemicals and hard field conditions

Manufactured from the finest raw materials providing : durability and long-lasting performance



Product Characteristics

Kerynia dripline is produced with the highest quality raw material, by integrating the most advanced emitter of the industry. Provides extreme tensile strength, since it is produced with high-quality resins. Offers excellent performance on the field due to the flawlessly designed, injected molded Kerynia emitter with very low CV. The unique design of Kerynia emitter, provides high clogging resistance and offers the highest emission uniformity. The combination of those elements translates to superior quality, evenly grown crops and increased overall yield which leads to higher income for every farmer world-wide.

Cylindrical Turbulent Emitter

Compact and economical emitter for a wide range of both surface and subsurface applications. Suitable for permanent crops and multi seasonal usage, provides easy and trouble-free installations for unexperienced farmers.

Advanced water inlet design, increases filtering area and prevents particle insertion in the emitter, thus enhancing the anticlogging performance

The excellent design of the flow path width, depth and length determines the flow rate of the emitter and the anti-clogging ability.

A high turbulent flow path design creates a vortex effect inside the emitter and therefore prevents clogging.

Emitters are tested from both CIT and Irstea institutes and achieved the highest ranking for CV, emission uniformity, flow accuracy and clogging resistance

Kerynia Emitters Specifications						
Nominal Flow Rate (LPH @ 1bar)	Constant (k)	Exponent (x)	Coefficient of Variation CV (%)	Water Passage (Width x Depth x Length) (mm)	Filtration Area (mm ²)	Recommended Filtration (mesh/micron)
2,0	1,9	0,53	1,20	0,95 x 1,00 x 197	20,8	120/130
4,0	3,8	0,50	1,35	1,03 x 1,35 x 143	53,0	120/130

Kerynia Driplines Specifications							
Product Name Name Code		Diameter		Wall Thick-ness (mm)	Maximum Operating Pressure (bar)	Flow Rate (LPH)	Coil Length (meters)
		Nominal (mm)	Internal (mm)				
Kerynia	539	16	13.7	1.1	4.5	2	400
						4	
Kerynia Light	539L			0.9	3.5	2	
						4	

Polyethylene & Soft Pipes

Kerynia Regular Driplines the good choice...-

Regular Dripline

No. **Kerynia Ø 16**
539



Code	Diameter x Spacing	Length (m)	Packing
539016XX020	Ø 16 - 20 cm	400	1 C
539016XX025	Ø 16 - 25 cm	400	1 C
539016XX030	Ø 16 - 30 cm	400	1 C
539016XX040	Ø 16 - 40 cm	400	1 C
539016XX050	Ø 16 - 50 cm	400	1 C
539016XX060	Ø 16 - 60 cm	400	1 C
539016XX070	Ø 16 - 70 cm	400	1 C
539016XX080	Ø 16 - 80 cm	400	1 C
539016XX090	Ø 16 - 90 cm	400	1 C
539016XX100	Ø 16 - 100 cm	400	1 C

Regular Dripline

No. **Kerynia Ø 20**
539



Code	Diameter x Spacing	Length (m)	Packing
539020XX020	Ø 20 - 20 cm	300	1 C
539020XX025	Ø 20 - 25 cm	300	1 C
539020XX030	Ø 20 - 30 cm	300	1 C
539020XX040	Ø 20 - 40 cm	300	1 C
539020XX050	Ø 20 - 50 cm	300	1 C
539020XX060	Ø 20 - 60 cm	300	1 C
539020XX070	Ø 20 - 70 cm	300	1 C
539020XX080	Ø 20 - 80 cm	300	1 C
539020XX090	Ø 20 - 90 cm	300	1 C
539020XX100	Ø 20 - 100 cm	300	1 C

Note:

Available flow: 2 & 4 LPH

Replace "XX" with the desired flow :

02 for 2 LPH or

04 for 4 LPH

Indicative Maximum Recommended Length (meters) @ 0% slope & 10% Flow Variation						
Flow Rate	Emitter Spacing					
(LPH)	15cm	20cm	30cm	50cm	75cm	100cm
2	37	47	64	94	126	154
4	24	31	43	63	84	103

Polyethylene & Soft Pipes

Morfou P.C. Driplines the right choice...

Ideal Applications

Precision irrigation, Uneven terrain, Row crops, Orchards, Vegetables, Gardening, Landscaping
 Suitable for both on surface and subsurface installations
 Very high resistance to agrochemicals and hard field conditions
 Manufactured from the finest raw materials providing: durability and long-lasting performance



Product Characteristics

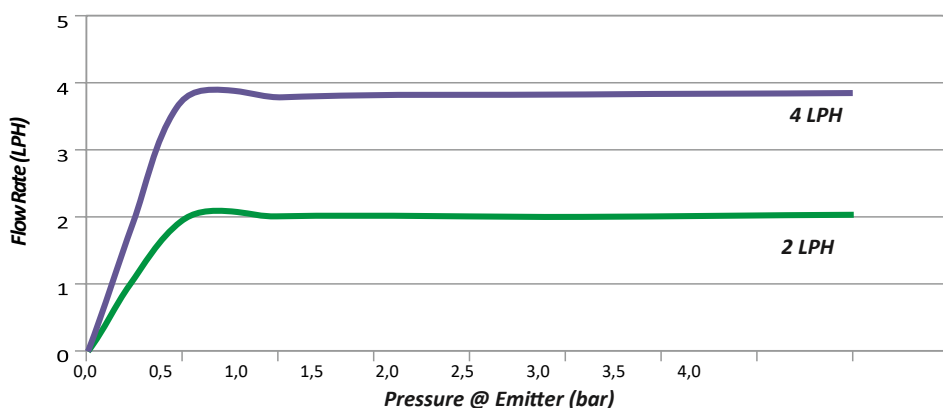
Morfou PC driplines are produced with the highest quality raw material, by integrating the most advanced emitter of the industry. Provides extreme tensile strength, since it is produced with high-quality resins. Offers excellent performance on the field due to the flawlessly designed, injected molded Morfou PC emitter with very low CV. The unique design of Morfou PC emitter, provides high clogging resistance and offers the highest emission uniformity. The combination of those elements translates to superior quality, evenly grown crops and increased overall yield which leads to higher income for every farmer worldwide. Morfou PC dripline is the most durable Pressure Compensating dripline, designed for steep and rocky terrain, permanent crops with long laterals, for both surface and subsurface applications.

Cylindrical Turbulent Emitter

Morfou P.C. Emitter Specifications Drain (D), Non-Drain (ND) and Anti-Siphon (AS) options

The antisiphon (AS) system both in D and ND versions is a specially designed mechanism that prevents suction of dirt and impurities into the emitter. The AS feature enables Morfou PC dripline to be installed underground (SDI), perfectly maintaining its irrigation characteristics and its multiyear durability. With the Non-drain system, the dripline remains full of water during irrigation intervals, ensuring immediate and uniform irrigation along the dripline. Moreover, Non-Drain emitters eliminate drainage and refill effect, and improve efficiency in pulse irrigation. In order to achieve the Non-Drain function, the emitter opens at 0,30 bar and closes at 0,18 bar.

Morfou P.C. Emitters Flow Curves



Morfou P.C. Driplines Specifications

Product Name		Diameter		Wall Thickness	Maximum Operating Pressure	Flow Rate	Coil Length
		Nominal	Internal				
Name	Code	(mm)	(mm)	(mm)	(bar)	(LPH)	(meters)
Morfou	534	16	13.7	1.1	4.5	2	400
						4	
Morfou Light	534L	16	13.7	0.9	3.5	2	
						4	



Polyethylene & Soft Pipes

Morfou P.C. Driplines the right choice...-

Pressure Compensated Dripline

No. **Morfou PC Ø 16**
534



Code	Diameter x Spacing	Length (m)	Packing
534016XX020	Ø 16 - 20 cm	400	1 C
534016XX025	Ø 16 - 25 cm	400	1 C
534016XX030	Ø 16 - 30 cm	400	1 C
534016XX040	Ø 16 - 40 cm	400	1 C
534016XX050	Ø 16 - 50 cm	400	1 C
534016XX060	Ø 16 - 60 cm	400	1 C
534016XX070	Ø 16 - 70 cm	400	1 C
534016XX080	Ø 16 - 80 cm	400	1 C
534016XX090	Ø 16 - 90 cm	400	1 C
534016XX100	Ø 16 - 100 cm	400	1 C

Pressure Compensated Dripline

No. **Morfou PC Ø 20**
534



Code	Diameter x Spacing	Length (m)	Packing
534020XX020	Ø 20 - 20 cm	300	1 C
534020XX025	Ø 20 - 25 cm	300	1 C
534020XX030	Ø 20 - 30 cm	300	1 C
534020XX040	Ø 20 - 40 cm	300	1 C
534020XX050	Ø 20 - 50 cm	300	1 C
534020XX060	Ø 20 - 60 cm	300	1 C
534020XX070	Ø 20 - 70 cm	300	1 C
534020XX080	Ø 20 - 80 cm	300	1 C
534020XX090	Ø 20 - 90 cm	300	1 C
534020XX100	Ø 20 - 100 cm	300	1 C

Note:

Available flow: 2 & 4 LPH

Replace "XX" with the desired flow :

02 for 2 LPH or

04 for 4 LPH

Indicative Maximum Recommended Length (meters)						
@ 3,5 Bar						
Flow Rate (LPH)	Emitter Spacing					
	15cm	20cm	30cm	50cm	75cm	100cm
2	71	93	133	206	285	357
4	45	58	84	130	181	226

