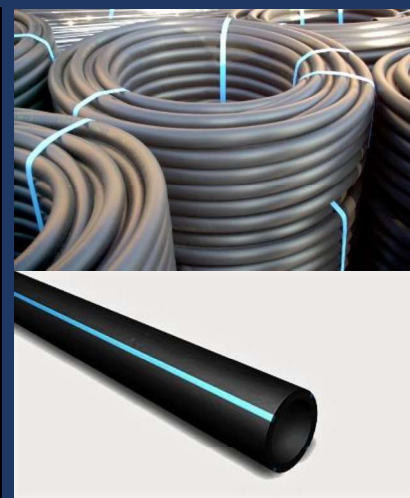


2.7a Low Density Polyethylene (LDPE) pipes for agricultural use and Irrigation

Application:	Agricultural use NOT SUITABLE FOR DRINKING WATER
Joint system:	Mechanical accessories
Color:	Black or Black green bands
Availability:	<ul style="list-style-type: none"> - Series 2.5 bar: Consult - Series 4 bar: Rolls of 100 m DN 20 to 63. Rolls of 50 m DN 75 and 90 - Series 6 and 10 bar: Rolls of 100 m DN 20 to 50. Rolls of 50 m DN 63, 75 and 90
<p>GUARANTEE EXCLUSIVELY IN DIMENSIONS</p> <p>Made with recycled low density polyethylene</p>	



NOT SUITABLE FOR BURIED OR CEMENTED INSTALLATIONS. Rolls of other lengths consult

DN/OD mm	PN 4 bar		PN 6 bar		PN 10 bar	
	Thickness mm	Price €/m	Thickness mm	Price €/m	Thickness mm	Price €/m
20	1.7	0,21	2.0	0,23	2.8	0,31
25	2.0	0,29	2.3	0,33	3.5	0,48
32	2.0	0,38	2.9	0,53	4.4	0,75
40	2.4	0,58	3.7	0,84	5.5	1,18
50	3.0	0,88	4.6	1,30	6.9	1,82
63	3.8	1,40	5.8	2,05	8.6	2,87
75	4.5	1,98	6.8	2,86	10.3	4,08
90	5.4	2,84	8.2	4,14	12.3	5,84

2.7b PE-40 Polyethylene pipe with integrated self-compensating dropper



- Integrated drippers during manufacturing.
- Maintains flow in a wide range of pressures, achieving greater lateral length at constant flow
- It has a filter at the entrance of the dropper. -- High resistance to obturation, long life and uniformity

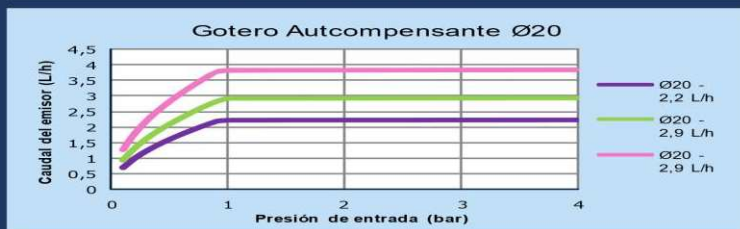
Integrated self-compensating dropper	Diameter 16 mm	Diameter 20 mm
FLOW = caudal (L/H)	1,6 / 2,2 / 3,8	2,2 / 2,9 / 3,8
Diameter (mm)	16	20
Thickness (mm)	1	1,15
Meters/ rolls or coil	400	300

Technical data of the dropper

	q= k.h (EXP X)	
K	1,6 / 2,2 / 3,8	2,2 / 2,9 / 3,8
X	0,03	0,03

k and x are characteristic constants of the dropper
q (l / h) = Flow of the emitter h (m.c.a) (metres of water column)
h (m.c.a) = Working pressure of the emitter
 Under request other thicknesses: 0.9 and 1.1 mm
 Degree of filtration required <= 130 micron
 mMaximum pressure: 4 bar

- Grado de filtración requerido: ≤ 130micron.
- Presión máxima: 4 bar.





2.7b LDPE pipe with integrated self-compensating dropper contin...

LENGTH CALCULATION OF THE MICROIRRIGATION BRANCHES

Branch length (m) on level ground										
Diameter (mm)	Flow (Liters / Hour)	Input Pressure (bar)	Separation distance between drippers (m)							
			0,30	0,40	0,50	0,60	0,75	1,00	1,50	
16	1,6	2,0	110	135	160	190	220	275	360	
		3,0	140	175	210	240	280	350	460	
		4,0	160	200	240	275	325	400	530	
	2,2	2,0	87	116	131	152	179	228	300	
		3,0	110	145	167	193	229	287	375	
		4,0	125	155	185	210	245	300	400	
	3,8	2,0	65	85	100	110	125	160	203	
		3,0	80	100	120	131	155	192	257	
		4,0	85	105	130	150	165	215	285	
	20	2,2	2,0	160	200	240	275	325	400	535
			3,0	180	230	275	315	375	460	615
			4,0	190	245	290	335	395	485	645
2,9		2,0	128	161	192	260	273	321	427	
		3,0	157	198	236	320	336	395	526	
		4,0	169	213	253	344	360	424	565	
3,8		2,0	120	145	165	185	215	270	335	
		3,0	135	165	195	220	260	315	415	
		4,0	150	180	220	240	280	340	445	

* On demand, other separation distances between drippers up to 5 meters are manufactured.

** Piping can be supplied in any color: brown, violet, white, etc. Consult minimum order.

2.7c Low density polyethylene LDPE PIPES (PE-40) -Supply and irrigation

Suitable for food use



Application:	Conduction of potable water under pressure and irrigation.
Standard:	UNE-EN 12201
Joint system:	By mechanical accessories
Marking:	According to norm
Color:	Black Blue Bands
Availability:	DN 20 to 50 in rolls of 100 m. DN 63 to 90 in rolls of 50 m

DN/OD mm	SDR 11 PN 6 bar		SDR 7.4 PN 10 bar	
	Thickness mm	Price €/m	Thickness Mm	Price €/m
	16	---	---	2.2
20	2.0	0,36	2.8	0,48
25	2.3	0,53	3.5	0,75
32	3.0	0,84	4.4	1,19
40	3.7	1,32	5.5	1,86
50	4.6	2,05	6.9	2,88
63	5.8	3,23	8.6	4,53
75	6.8	4,51	10.3	6,44
90	8.2	6,53	12.3	9,23

For rolls of 25m and others lengths, We ask you to consult us Price

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2.7d High density polyethylene PIPES .HDPE PE-100. Pressure pipes

Suitable for alimentary use the tubes manufactured according to UNE-EN 12201 W



- APPLICATION:** DRIVING DRINKING WATER ACCORDING TO UNE-EN 12201 W AND P
 -COLOR: BLACK -BLUE OR BROWN BAND OR VIOLET BAND OR RED BAND
- JOINT SYSTEM:** -FOR MECHANICAL ACCESSORIES, ELECTROFUSION OR BUTT WELD
- MARKING:** ACCORDING TO STANDARD
- AVAILABILITY:** ROLLS OF 100 M TO DN 63 MM / ROLLS OF 50 M. FOR DN 75, 90 AND 110
 IN PN 10 AND 16 BAR. BARS OF 6 OR 13 M THE REST OF DIAMETERS.



DN/OD mm	SDR 26 PN 6 bar			SDR 17 PN 10 bar			SDR 11 PN 16 bar		
	Thickness mm	U/P pipes per palet	Price €/ m	Thickness mm	U/P pipes per palet	Price €/ m	Thickness mm	U/P pipes per palet	Price €/ m
20							2.0	---	0,49
25							2.3	---	0,63
32				2.0	---	0,83	3.0	---	1,01
40				2.4	---	1,09	3.7	---	1,62
50				3.0	---	1,71	4.6	---	2,48
63				3.8	105	2,68	5.8	105	3,93
75				4.5	74	3,79	6.8	74	5,49
90	3.5	104	3,63	5.4	104	5,45	8.2	81	7,95
110	4.2	76	5,07	6.6	76	7,71	10.0	57	11,26
125	4.8	56	6,54	7.4	56	9,83	11.4	40	14,56
140	5.4	46	8,25	8.3	46	12,35	12.7	30	18,14
160	6.2	33	10,82	9.5	33	16,11	14.6	20	23,81
180	6.9	28	13,48	10.7	28	20,38	16.4	22	30,10
200	7.7	20	16,71	11.9	20	25,15	18.2	15	37,11
225	8.6	18	21,00	13.4	18	31,90	20.5	14	46,98
250	9.6	12	26,02	14.8	12	39,10	22.7	12	57,78
280	10.7	11	33,20	16.6	11	50,23	25.4	4	74,08
315	12.1	8	41,35	18.7	8	62,19	28.6	3	91,70
355	13.6	3	52,25	21.1	3	79,14	32.2	3	116,69
400	15.3	3	66,26	23.7	3	100,03	36.3	3	148,11
450	17.2	2	85,30	26.7	2	129,03	40.9	2	191,38
500	19.1	2	108,60	29.7	2	164,06	45.4	2	243,08
560	21.4	2	132,51	33.2	2	200,65	50.8	2	294,92
630	24.1	2	172,49	37.4	2	259,23	57.2	2	385,69

Table keys: DN /OD= outside diameter (External diameter). DN/ID inside diameter. U/P tubes per pallet

2.7e "LARGE DIAMETER" High density polyethylene PIPES .HDPE PE-100. Pressure pipes

Suitable for alimentary use the tubes manufactured according to UNE-EN 12201

- Application:
- Water conduction under pressure according to UNE-EN 12201 W
Color: Black Blue Band
 - Sewer with pressure according to UNE-EN 12201 P
Color: Black Brown band or Purple Bands. Black red band for cable
- Joint system: -Electrofusion or butt welding
- Marking: -According to Norma
- Availability: -In bars of 6 or 13 m. Other lengths, pressures , fitting consult.



DN/OD mm	SDR 26 PN 6 bar		SDR 17 PN 10 bar	
	Thickness mm	Price €/ m	Thickness mm	Price €/ m
710	27.2	219,48	42.1	329,16
800	30.6	277,97	47.4	418,13
900	34.4	354,37	53.3	529,25
1000	38.2	436,91	59.3	652,95
1200	45.9	628,94		
1400	53.5	876,55		
1600	61.2	1.116,76		

- We supply special pieces, elbows, tees, flanges and welding machines etc.

NOTE 1: For the conduction of non-potable water or sanitation under pressure, or cables, it is also possible to manufacture PE 100 tubes, in Black, Black with Brown band, Purple or Red according to the UNE-EN 12201 "P"

NOTE 2. For underwater outfalls and other applications, these pipes can be manufactured in PE 80, on demand and conditions to be defined.

