

# intra



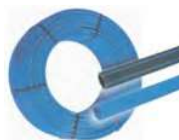
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## PIPES | MICROTUBES | TUBES

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PIPES FOR POTABLE WATER | IRRIGATION PIPES  
MICROTUBES TUBES | GREENHOUSE HEATING TUBES

<b>HDPE 80, MRS 8 EN12201-2</b>	Model	External Dia	Wall Thickness	Pressure	Price
	code	mm	mm	Atm	€/unit
2nd GENERATION	30820016	16	2,0	16,0	
	30820118	18	2,0	16,0	
	30820018	18	2,5	20,0	
	30820020	20	3,0	20,0	
	30820022	22	3,0	20,0	
	30820025	25	3,0	16,0	
	30820028	28	3,0	16,0	
	30820032	32	3,0	12,5	
	Available: Rolls of 100m				





<b>HDPE 100, MRS 10 EN12201-2</b>	3082-3504		3082-3504		3082-3504	
	10 ATM (SDR 17)		12.5 ATM (SDR 13.6)		16 ATM (SDR 11)	
3rd GENERATION	code	Price (€)	code	Price (€)	code	Price (€)
20	---	---			30821620	
25	---	---	30821225		30821625	
32	30821032		30821232		30821632	
40	30821040		30821240		30821640	
50	30821050		30821250		30821650	
63	30821063		30821263		30821663	
75	30821075		30821275		30821675	
90	30821090		30821290		30821690	
110	30821011		30821210		30821611	
125	30821125		30821212		30821612	
125	35041125		35043125		35042125	
140	35041140		35043140		35042140	
160	35041160		35043160		35042160	
180	35041180		35043180		35042180	
200	35041200		35043200		35042200	
225	35041225		35043225		35042225	
250	35041250		35043250		35042250	
280	35041280		35043280		35042280	
315	35041315		35043315		35042315	
355	35041355		35043355		35042355	
400	35041400		35043400		35042400	
450	35041450		35043450		35042450	
500	35041500		35043500		35042500	
560	35041560		35043560		35042560	
630	35041630		35043630		35042630	

Available:  $\Phi$ 20mm up to  $\Phi$ 125mm in rolls 100m |  $\Phi$ 125mm up to  $\Phi$ 630mm in straight rods 12,0m | Codes 3082 & 3504: Potable water pipes in BLACK color with 4-BLUE stripes | Potable pipes in BLUE color on request relative Codes 3081 & 3532 accordingly | UPON REQUEST AT 6, 8, 20 & 25 ATM


AGROPAL HDPE 80, MRS 8 ISO8779	3070		3073		3073-3075	
	6 ATM (SDR 21)		10 ATM (SDR 13.6)		16 ATM (SDR 9)	
	code	Price (€)	code	Price (€)	code	Price (€)
20	---		30731020***			
25	---		30731025**		30731625	
32	30706132*		30731032*		30731632	
40	30706040		30731040**		30731640	
50	30706050		30731050**		30731650	
63	30706063		30731063**		30731663	
75	30706075		30731075**		30731675	
90	30706090		30731090**		30731690	
110	30706110		30731110**		30731610	
125	30708125		30731125**		30758125	
140	30708140		30731140**		30758140	
160	30708160		30731160**		30758160	
180	30708180		30731180**		30758180	
200	30708200		30731200**		30758200	
225	30708225		30731225**		30758225	
250	30708250		30731250**		30758250	

HDPE pipe from  $\Phi$ 16mm to  $\Phi$ 32mm in BLACK color with 1-light BLUE stripe | HDPE pipe from  $\Phi$ 40mm to  $\Phi$ 250mm in BLACK color with 4-light BLUE stripes | Available:  $\Phi$ 20mm up to  $\Phi$ 110mm in rolls 100m |  $\Phi$ 125mm up to  $\Phi$ 250mm in straight rods 12,0m | \* Coil 200m | \*\* Coil 250m | \*\*\* Coil 250m


CAP ENDS FOR PIPES	Model	Specifications	Packing	Price	Model	Specifications	Packing	Price
	code	mm	pc/box	€	code	mm	pc/box	€
	38020016	16	1000E		38020090	90	250H	
	38020018	18	1000E		38020110	110	100H	
	38020020	20	1000E		38020125	125	100H	
	38020022	22	1000E		38020140	140	80H	
	38020025	25	1000E		38020160	160	80H	
	38020028	28	1000E		38020180	180	80H	
	38020032	32	2000H		38020200	200	70H	
	38020040	40	1000H		38020225	225	60H	
	38020050	50	600H		38020250	250	50H	
	38020063	63	500H		38020280	280	50H	
	38020075	75	200H		38020315	315	40H	


<b>DRIP PAL</b>	Model	Ext. Dia	Packing	Price
	code	mm	m / coil	€
	30724016	16	300	
	30724020	20	300	
	30724025	25	250	
	30724032	32	200	

Color : Black with one light-blue stripe  
Working Pressure: DRIP-PAL 4 ATM

<b>SUPER PAL</b>	Model	Ext. Dia	Packing	Price
	code	mm	m / coil	€
	30706012	12	300	
	30706016	16	250	
	30706020	20	250	
	30706025	25	250	
	30706032	32	200	

Color : Black with one light-blue stripe  
Working Pressure: SUPER-PAL 6 ATM


<b>TYING TUBE</b>	Model	Ext. Dia	Packing	Price
	code	mm	kg / coil	€
	30832320	3,2	2,0kg	
	30832355	3,6	2,0kg	

<b>SUPER PAL White color</b>	Model	Ext. Dia	Packing	Price
	code	mm	m / coil	€
	35359606	6	25	
	35355606	6	100	
	35359616	16	25	
	35355616	16	100	
	35355620	20	100	
	35355625	25	100	


White color coated

<b>IRRIGATION PIPES DIN 8074/8075</b>	<b>3079</b>		<b>3079-3077</b>		<b>3079-3087</b>	
	<b>6 ATM (SDR 17.6)</b>		<b>10 ATM (SDR 11)</b>		<b>16 ATM (SDR 7.4)</b>	
	code	Price (€)	code	Price (€)	code	Price (€)
20			30761020**		30791620***	
25	---		30791025**		30791625**	
32	30796032*		30791032*		30791632*	
40	30796040		30791040		30791640	
50	30796050		30791050		30791650	
63	30796063		30791063		30791663	
75	30796075		30791075		30791675	
90	30796090		30791090		30791690	
110	30796110		30791110		30791610	
125	30798125		30778125		30758125	
140	30798140		30778140		30758140	
160	30798160		30778160		30758160	
180	30798180		30778180		30758180	
200	30798200		30778200		30758200	
225	30798225		30778225		30758225	
250	30798250		30778250		30758250	
280	30798280		30778280		30758250	
315	30798315		30778315		30758315	


HDPE pipe from  $\Phi$ 16mm to  $\Phi$ 32mm in BLACK color with 1-light BLUE stripe | HDPE pipe from  $\Phi$ 40mm to  $\Phi$ 315mm in BLACK color with 4-light BLUE stripes | Available:  $\Phi$ 20mm up to  $\Phi$ 110mm in rolls 100m |  $\Phi$ 125mm up to  $\Phi$ 315mm in straight rods 12,0m | \* Coil 200m | \*\* Coil 250m | \*\*\* Coil 300m

<b>Microtube PVC <math>\Phi</math>7 (Complete)</b>	Model	Length	Packing	Price
	code	cm	pcs/box	€
	30520030	30	2100E	
	30520040	40	1900E	
	30520050	50	1400E	
	30520060	60	1200E	
	30520080	80	500E	



With 2 nozzles  $\Phi$ 7 assembled

<b>Microtube PVC <math>\Phi</math>7 (Complete)</b>	Model	Length	Packing	Price
	code	cm	pcs/box	€
	30520100	100	2100E	
	30520120	120	1900E	
	30520150	150	1400E	
	30520200	200	1200E	


With 2 nozzles  $\Phi$ 7 assembled

<b>PVC <math>\Phi</math>12 Pipe (Complete)</b>	Model	Length	Packing	Price
	code	cm	pcs/bundle	€
	<b>Non Compensating—Black Color</b>			
	30440100	100	50	
	30440120	120	50	
	30440150	150	50	
	30440170	170	50	


With safety female base 1/2" & safety nozzle 8x12 assembled

<b>PVC <math>\Phi</math>12 Pipe (Complete)</b>	Model	Length	Packing	Price
	code	cm	pcs/bundle	€
	<b>Self Compensating 300 lt/h—Green Color</b>			
	30450100	100	50	
	30450120	120	50	
	<b>Self Compensating 540 lt/h - Red Color</b>			
	30420100	100	50	
	30420120	120	50	


With safety female base 1/2" & safety nozzle 8x12 assembled


<b>Microtube PVC <math>\Phi</math>7 (Complete)</b>	Model	Length	Packing	Price
	code	cm	pcs/box	€
	30522100	100	600E	
	30522120	120	500H	
	30522150	150	400H	
	30522180	180	300H	

With adaptor  $\Phi$ 6mm and indented coupling  $\Phi$ 7mm assembled


<b>PVC <math>\Phi</math>12 Pipe (Complete)</b>	Model	Length	Packing	Price
	code	cm	pcs/bundle	€
	<b>PVC <math>\Phi</math>12—Black Color</b>			
	30490100	100	50	
	30490120	120	50	

With support female base 3/8" & safety nozzle 8mm x 12mm assembled

<b>PE Microtube</b>	Model	Ex.Diameter	In.Diameter	Packing	Price
	code	mm	mm	m / roll	€
	30700504	4,0	2,8	500	
	30700104	4,0	2,8	100	
	30700506	6,0	4,0	500	
	30700106	6,0	4,0	100	

<b>PVC Microtube</b>	Model	Ex.Diameter	In.Diameter	Packing	Price
	code	mm	mm	m / roll	€
	30800503	3,0	1,0	500	
	30800504	4,0	2,5	500	
	30800505	5,0	3,5	500	
	30800026	*6,0	4,0	25	
	30800106	*6,0	4,0	100	
	30800506	*6,0	4,0	500	
	30800107	7,0	4,5	100	
	30800307	7,0	4,5	300	
	30800507	7,0	4,5	500	
	30800512	12,0	9,0	250	

Exact O.D.—5,7 mm

<b>PVC Ø5 (without nozzle)</b>	Model	Ex.Diameter	Length	Packing	Price
	code	mm	Cm	m / bundle	€
	30525050	5	50	100	
	30525080	5	80	100	

<b>Microtube Dripper Hose PE Ø3.2</b>	Model	Length	In.Diameter	Packing	Price
	code	cm	mm	m / bundle	€
	30850885	85	0,8	100	
	30850810	100	0,8	100	
	30851005	50	1,0	100	
	30851085	85	1,0	100	
	30851010	100	1,0	100	
	30851050	500	1,0	Coil-500m	

### GEOPAL PE 100 GREENHOUSE HEATING TUBE (Corrugated)



Model	External Diameter	Packing	Price
code	mm	m / roll	€
35380025	25	100	
35380028	28	100	

### TECHNICAL CHARACTERISTICS

Ext. dia	25 mm	28 mm
Nominal working pressure	2,5 Atm	2,5 Atm
Max. working temperature	70°C	70°C
Beneficial area (per meter)	0,11674 m <sup>2</sup>	0,13447 m <sup>2</sup>
Wall thickness	1,00 mm	1,00 mm
Packing (roll)	100 m	100 m
Weight	116 gr/m	123 gr/m
Color	Black	Black

### GENERAL

Heating greenhouses with hot water through plastic spiral pipes placed above ground and near plant rows significantly surpass other common heating systems. Heating is diffused throughout the greenhouse via radiation warming the roots and the upper plant offering pre-maturing and production increase through winter of up to 50%.

### CHARACTERISTICS

**GEOPAL** pipe is manufactured from raw random polyethylene (PE-100) for implementation in greenhouse heating and hot water applications at low pressure networks. The "wave-like" configuration of the pipe offers larger thermal surface compared to other pipes of the same dimension, while it allows small bending curves. **GEOPAL** pipe is very reliable in environments where there are thorny plants or insects that can penetrate pipes with thin walls, while presents resistance to the erosion and disformation from fertilizers, chemicals and the acidic soil composition

### ADVANTAGES

Using **GEOPAL** pipe for greenhouse heating we succeed in :

- Adjusting the heat where it is needed.
- Heating is achieved with low temperatures of water.
- Saving energy up to 50% compared to other heating methods.
- Increasing crop production during winter.
- Pre-maturing of production.

### INDICATIVE PLACEMENT OF GEOPAL PIPE

