

# Solutions for a green future

AMBIDRENO  
CD11R00



[www.politejo.com](http://www.politejo.com)

# The best thermoplastic solutions for infrastructure networks



Politejo Group was founded in 1978, as an industry specialized in the manufacture of thermoplastic solutions and its main activity is the production of pipes and plastic accessories for the water supply, waste water, irrigation, electricity and telecommunications.

Our strategy is based on the constant innovation of products and services, with a skilled team, able to understand the needs associated with the various sectors and present highly reliable solutions, longevity that allow the conservation of water resources and the environment.

The success of Politejo Group is based on the profile of its employees, with a family-oriented management, due to the strategic location of its manufacturing units and their complete solutions.

This profile enabled a notable growth throughout the last 40 years, and currently Politejo Group is present in Angola, Brazil, Spain, Mozambique and Portugal, with a view to expanding to new locations.

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## RANGE PRODUCED AND DIMENSIONS



Drainage pipes are intended to capture excess water in the soil, resulting from the rainfall index and the retention capacity of the different soils.

### Applications

Drainage systems are used in different situations linked to the construction sector:

- Ways of communication
- Railway networks
- Sports fields
- Agricultural fields
- Retaining walls
- House basements

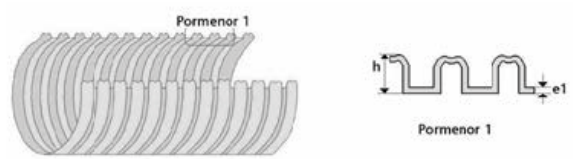
### Visual appearance

AMBIDRENO pipes are available in two types of structure, single wall or double wall.

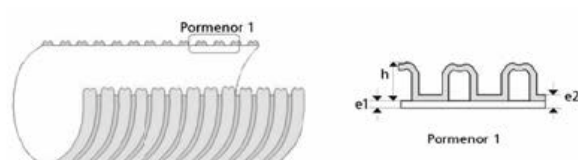
Single wall pipes can be supplied with geotextile blanket.

The inner surface of the double wall pipes will be smooth to favour their hydraulic behaviour.

The manufacturing colours are yellow or black for the outer layer and white or black for the inner layer, depending on whether they are rolls or sticks, respectively.



Single wall pipes



Double-walled tubes

### Perforations

The perforations can be made at 360° of the pipe, TP type, or at 240°, SP type. In diameters  $\geq 250$  mm, perforations can also be made at 120° LP.

### Manufacturing series

- Single wall rollers. For depths less than 2.5 metres and no traffic;
- Double-walled tubes. For more demanding applications.

### Product testing

Essay	Standard	Parameters
Appearance, colour, dimensional control and marking	EN 53994	According to the standard
Impact Resistance	EN 744	TIR $\leq 10\%$
Circumferential rigidity	EN ISO 9969	$\geq 2, 4, 6, 8$ kN/m <sup>2</sup>

The tests shaded in the table above are an integral part of the certificate 3.1, when necessary contact commercial services.

### Pipe marking

The product marking according to the commercial range is presented.

Commercial	Marking
Ambidreno	POLITEJO AMBIDRENO PE DN ____ SN ____ DP LP/SP/TP UNE 53994 (DATE CODE) BATCH (BATCH CODE)

## Range produced and dimensions

The following tables show the standard dimensions according to the reference standard UNE 53994 and our manufacturing range.

### Single wall tubing - connection with cuff

Circular drain 360° TP SN2-C1 or SN4-C2					
DN (mm)	Average inside diameter (mm)	Circular perforations	Cut length (mm)	Cutting width (mm)	Average catchment area (cm <sup>2</sup> /m)
50	42,3	6	6	1,7	45
80	72,0	6	7	1,7	39
100	90,4	6	10	1,7	51
125	108,1	6	13	1,7	110
160	143,7	6	18	1,7	110
200	180,4	6	20	1,7	91

### Double wall tubing - connection with cuff

Circular drain 240° TP SN4 or SN8-C2					
DN (mm)	Average inside diameter (mm)	Circular perforations	Cut length (mm)	Cutting width (mm)	Average catchment area (cm <sup>2</sup> /m)
100	90,2	5	10	1,7	63
125	107,5	5	13	1,7	60
160	141,2	5	18	1,7	76
200	177,0	5	20	1,7	62

### Double-walled tubes - connection with integrated nozzle

Circular drain 120° LP SN6 or SN8-C2					
DN (mm)	Average inside diameter (mm)	Circular perforations	Cut length (mm)	Cutting width (mm)	Average catchment area (cm <sup>2</sup> /m)
250	218	3	55	2,0	79
315	278	3	65	2,2	76
400	350	3	75	2,2	72
500	439	3	100	2,2	80
630	553	3	115	2,2	67

Circular drain 240° SP SN6 or SN8-C2					
DN (mm)	Average inside diameter (mm)	Circular perforations	Cut length (mm)	Cutting width (mm)	Average catchment area (cm <sup>2</sup> /m)
250	218	5	55	2,0	133
315	278	5	65	2,2	128
400	350	5	75	2,2	121
500	439	5	100	2,2	134
630	553	5	115	2,2	113

Circular drain 360° TP SN6 or SN8-C2					
DN (mm)	Average inside diameter (mm)	Circular perforations	Cut length (mm)	Cutting width (mm)	Average catchment area (cm <sup>2</sup> /m)
250	218	6	55	2,0	159
315	278	6	65	2,2	153
400	350	6	75	2,2	145
500	439	6	100	2,2	161
630	553	6	115	2,2	136

For drainage of large diameters 800 mm to 1200 mm consult the company's technical department.

## Presentation

### Single and double wall rollers

DN	Length (m)	Rolls/truck	Metres/truck
50	50	400	20000
80	50	140	7000
100	50	100	5000
125	50	60	3000
160	50	42	2100
200	50	24	1200

### Double wall rods

DN	Length (m)	Tubes/pallet	Pallets/truck	Metres/truck
100	6,00	54	16	5184
125	6,00	43	16	4128
160	6,20	33	12	2455,2
200	6,20	17	16	1686,4
250	6,20	11	12	818,4
315	6,13	9	12	662,04
400	6,13	6	12	441,36
500	6,13	4	10	245,2
630	6,15	3	8	147,6

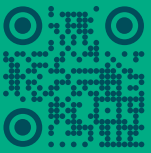
### Environment

Separate the materials that make up the packaging of our products correctly. The following materials are possible in the composition of the packaging: wood, polyester tape and recycled PE plastic to cover the pallet.

Our end products are recyclable after their useful life.



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[www.politejo.com](http://www.politejo.com)  
[geral@politejo.com](mailto:geral@politejo.com)

