

Solutions for a green future

SANICOL
CD16R00



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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.

SANICOL

RANGE PRODUCED AND DIMENSIONS



The following tables show the standard dimensions according to the reference standard EN 1401.

Dimensions of the male terminal

| Outside diameter (mm) | | | Thickness e_c (mm) | | | | | | Ovalisation (mm) |
|-----------------------|---------------|---------------|----------------------|------|------------|------|------------|------|------------------|
| Nominal | Medium | | SN2 SDR 51 | | SN4 SDR 41 | | SN8 SDR 34 | | |
| \emptyset | $d_{em, min}$ | $d_{em, max}$ | Min. | Max. | Min. | Max. | Min. | Max. | |
| 110 | 110,00 | 110,30 | -- | -- | 3,2 | 3,8 | 3,2 | 3,8 | 2.6 |
| 125 | 125,00 | 125,30 | -- | -- | 3,2 | 3,8 | 3,7 | 4,3 | 3.0 |
| 160 | 160,00 | 160,40 | 3,2 | 3,8 | 4,0 | 4,6 | 4,7 | 5,4 | 3.8 |
| 200 | 200,00 | 200,50 | 3,9 | 4,5 | 4,9 | 5,6 | 5,9 | 6,7 | 4.8 |
| 250 | 250,00 | 250,50 | 4,9 | 5,6 | 6,2 | 7,1 | 7,3 | 8,3 | 6.0 |
| 315 | 315,00 | 315,60 | 6,2 | 7,1 | 7,7 | 8,7 | 9,2 | 10,4 | 7.5 |
| 400 | 400,00 | 400,70 | 7,9 | 8,9 | 9,8 | 11,0 | 11,7 | 13,1 | 9.6 |
| 500 | 500,00 | 500,90 | 9,8 | 11,0 | 12,3 | 13,8 | 14,6 | 16,3 | 12.0 |
| 630 | 630,00 | 631,1 | 12,3 | 13,8 | 15,4 | 17,2 | 18,4 | 20,5 | 15.1 |

Dimensions of the male terminal

| Nominal diameter (mm) | Diameter int. med. min. d_s (mm) | SN 2 | | SN 4 | | SN 8 | | Length of embouchures | | Male terminal | |
|-----------------------|------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|------------|---------------|----|
| | | e_2 , min (mm) | e_3 , min (mm) | e_2 , min (mm) | e_3 , min (mm) | e_2 , min (mm) | e_3 , min (mm) | A min (mm) | C min (mm) | L min | H |
| 110 | 110.4 | -- | -- | 2.9 | 2.4 | 2.9 | 2.4 | 32 | 26 | 60 | 6 |
| 125 | 125.4 | -- | -- | 2.9 | 2.4 | 3.4 | 2.8 | 35 | 26 | 67 | 6 |
| 160 | 160.5 | 2.9 | 2.4 | 3.6 | 3.0 | 4.3 | 3.6 | 42 | 32 | 81 | 7 |
| 200 | 200.6 | 3.6 | 3.0 | 4.4 | 3.7 | 5.4 | 4.5 | 50 | 40 | 99 | 9 |
| 250 | 250.8 | 4.5 | 3.7 | 5.5 | 4.7 | 6.6 | 5.5 | 55 | 70 | 125 | 9 |
| 315 | 316.0 | 5.6 | 4.7 | 6.9 | 5.8 | 8.3 | 6.9 | 62 | 70 | 132 | 12 |
| 400 | 401.2 | 7.1 | 6.0 | 8.8 | 7.4 | 10.6 | 8.8 | 70 | 80 | 150 | 15 |
| 500 | 501.5 | 8.9 | 7.4 | 11.1 | 9.3 | 13.2 | 11.0 | 80 | 80 | 160 | 18 |
| 630 | 631.9 | 11.1 | 9.3 | 13.9 | 11.6 | 16.6 | 13.8 | 93 | 95 | 188 | 23 |

Product testing

| Test | Norm | Parameters |
|---|---------------|-----------------------|
| Appearance, colour, dimensional control and marking | EN 1401-1 | According to standard |
| Softening temperature VICAT | EN ISO 2507-1 | ≥ 79 °C |
| Longitudinal deformation | EN ISO 2505 | $\leq 5\%$ |
| Resistance to impact | EN ISO 3127 | TIR $\leq 10\%$ |
| Elongation at break | ISO 6259 | $>80\%$ |
| Resistance to internal pressure at 60 °C and 1000 | EN ISO 3127 | TIR $\leq 10\%$ |
| Sealing of the elastic joint | EN ISO 13259 | No fault |

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

Raw material characteristics

| Feature | Unit | Value |
|---|-----------|-------|
| Short-term modulus of elasticity | MPa | 3600 |
| Long-term modulus of elasticity | MPa | 1750 |
| Coefficient of linear thermal expansion | Mm/m°C | 0,08 |
| Thermal conductivity | Kcal/hm°C | 0,16 |

Certification and marking of pipes

| Commercial Range | Organism | Certificate | Marking |
|------------------|----------|---------------|--|
| SANICOL | AENOR | AENOR 001/XXX | AENOR 001/XXX POLITEJO SANICOL PVC-U DN ___ x ___ SN ___ U UNE-EN 1401 (DATE CODE) CE BATCH (BATCH CODE) |
| | SGS | SGS PT04/XXX | POLITEJO SANICOL PVC-U DN ___ x ___ SN ___ U EN 1401 (DATE CODE) SGS PT 04/XXX (BATCH CODE) |

Presentation

The pipes are supplied on pallets, the table below shows the quantities per pallet and per truck. For minimum quantities please contact the sales department.

| DN | Tubes/pallet | Metres/pallet | Pallets/truck | Metres/truck |
|-----|--------------|---------------|---------------|--------------|
| 110 | 54 | 324 | 16 | 5184 |
| 125 | 43 | 258 | 16 | 4128 |
| 160 | 33 | 198 | 12 | 2376 |
| 200 | 14 | 84 | 16 | 1344 |
| 250 | 11 | 66 | 12 | 792 |
| 315 | 6 | 36 | 16 | 576 |
| 400 | 6 | 36 | 12 | 432 |
| 500 | 2 | 12 | 20 | 240 |
| 630 | 2/3 | 12/18 | 12/8 | 144 |

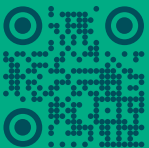
Environment

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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