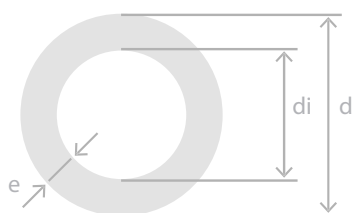
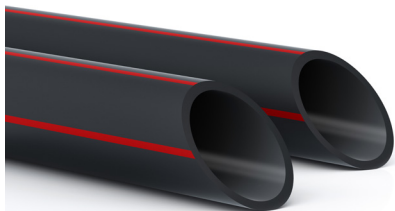


## PE-100 DATA PIPES SDR26-PN6

### REGULATIONS

|                     |                                                                                                            |
|---------------------|------------------------------------------------------------------------------------------------------------|
| <b>UNE EN 12201</b> | Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) |
| <b>RP 001.01</b>    | Polyethylene (PE) pipes for water supply and pressurized sewerage systems                                  |
| <b>CTE</b>          | Spanish Technical Building Code                                                                            |



### GENERAL FEATURES

|                  |                      |
|------------------|----------------------|
| <b>Structure</b> | MONOLAYER            |
| <b>Material</b>  | PE-100 REPOLEN       |
| <b>Color</b>     | Black with red lines |



### TECHNICAL FEATURES

#### PE-100 MATERIAL

|                                                        |                           |
|--------------------------------------------------------|---------------------------|
| <b>Density</b>                                         | 959-965 kg/m <sup>3</sup> |
| <b>MFI (190°, 5Kg)</b>                                 | 0.22-0.32 g/10min         |
| <b>Pigment Dispersion</b>                              | ≤3.0 mg/kg                |
| <b>Carbon Black Content</b>                            | 2.1-2.5 mg/kg             |
| <b>Impact resistance Charpy method notched at 23°C</b> | >179 kJ/m <sup>2</sup>    |
| <b>Tensile strength at break</b>                       | 38 Mpa                    |
| <b>Elongation at break</b>                             | >600%                     |
| <b>Modulus of elasticity</b>                           | 1000 MPa                  |
| <b>VICAT (Softening temperature) 9.8N</b>              | 128°C                     |
| <b>Thermal conductivity coefficient (λ)</b>            | 0.37w/m <sup>2</sup> k    |
| <b>T.I.O (210°C)</b>                                   | ≥0.20 min                 |
| <b>HDT Heat deflection temperature at 0.45MPa</b>      | 70°C                      |

#### PRODUCT

|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| <b>Structure</b>                                | MONOLAYER HDPE                    |
| <b>Color</b>                                    | Black with 4 red lines            |
| <b>Ultraviolet protection</b>                   | Yes                               |
| <b>Longitudinal shrinkage</b>                   | ≤3%                               |
| <b>Elongation at break</b>                      | ≥350%                             |
| <b>MFI (190°, 5Kg)</b>                          | ±20% with respect to the compound |
| <b>Opacity</b>                                  | Yes                               |
| <b>Internal pressure resistance</b>             |                                   |
| 20° 100h                                        | 12.4MPa No failures               |
| 80° 165h                                        | 5.4MPa No failures                |
| 80° 1000h                                       | 5MPa No failures                  |
| <b>Linear thermal expansion coefficient (α)</b> | 0.220 mm/m°C                      |
| <b>Roughness (k)</b>                            | 0.003 mm                          |

 SDR26-PN6

| CODE      | NOMINAL DIAMETER (mm) d | INT. DIAMETER (mm) di | THICKNESS (mm) e | WEIGHT (kg/m) | CAPACITY (l/m) |
|-----------|-------------------------|-----------------------|------------------|---------------|----------------|
| 104511006 | 110                     | 101,6                 | 4,2              | 1,33          | 8,107          |
| 104512506 | 125                     | 115,4                 | 4,8              | 1,72          | 11,010         |
| 104516006 | 160                     | 147,6                 | 6,2              | 2,85          | 17,110         |
| 104518006 | 180                     | 166,2                 | 6,9              | 3,57          | 21,694         |
| 104520006 | 200                     | 184,6                 | 7,7              | 4,42          | 26,763         |
| 104522506 | 225                     | 207,8                 | 8,6              | 5,56          | 33,913         |
| 104525006 | 250                     | 230,8                 | 9,6              | 6,9           | 41,836         |
| 104528006 | 280                     | 258,6                 | 10,7             | 8,61          | 48,538         |
| 104531506 | 315                     | 290,8                 | 12,1             | 10,95         | 66,415         |
| 104535506 | 355                     | 327,8                 | 13,6             | 13,87         | 84,391         |
| 104540006 | 400                     | 369,4                 | 15,3             | 17,59         | 107,169        |