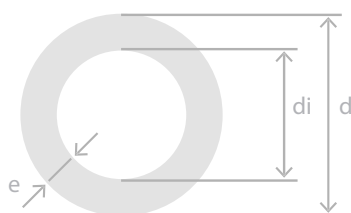


PE-100 GAS PIPES SDR11-PN16

REGULATIONS

- UNE EN 1555.2** Piping system in plastic materials for the supply of gaseous fuels. Polyethylene (PE)
- RP 01.05** High and medium density polyethylene (PE) pipes for underground gas fuel distribution networks (UNE EN 1555)
- CTE** Spanish Technical Building Code



CERTIFICATES

AENOR Plastic pipes

GENERAL FEATURES

Structure MONOLAYER
Material PE-100 REPOLEN
Color Black with orange lines



TECHNICAL FEATURES

PE-100 MATERIAL

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

PRODUCT

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



SDR11-PN16

CODE	NOMINAL DIAMETER (mm) d	INT. DIAMETER (mm) di	THICKNESS (mm) e	WEIGHT (kg/m)	CAPACITY (l/m)
106001616	16	10,0	3,0	0,116	0,079
106002016	20	14,0	3,0	0,152	0,154
106002516	25	19,0	3,0	0,197	0,284
106003216	32	26,0	3,0	0,26	0,201
106004016	40	32,6	3,7	0,401	0,835
106005016	50	40,8	4,6	0,624	1,307
106006316	63	51,4	5,8	0,991	2,075