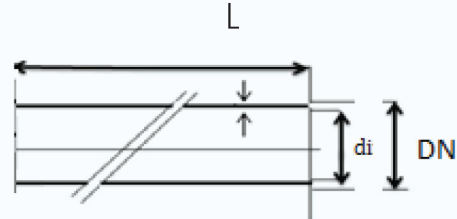


PE pipes for supply of gaseous fuels

as per
ISO 4437:2007



Material: Polyethylene (PE80)
Colour: Yellow or Black
with Yellow stripes
Dimension: mm
Trademark: Polygas



L= for coil= 25m,50m,100m
L=for bar= 6m

Field of application:
Buried polyethylene (PE) pipes for the supply of
gaseous fuels

GENERAL TECHNICAL CHARACTERISTICS

Geometrical Characteristics

- Dimensions
- Mean outside diameters, ovality and their tolerances
- Wall Thickness of pipes

Mechanical Characteristics

- Hydrostatic Strength
- Tensile Test

Physical Characteristics

- Thermal Stability
- Melt Flow Rate (MFR)
- Heat Reversion

Note: (MOP) Maximum Operating Pressure

Material/Design Stress

Standard Requirements

Clause 5.2.1 As per ISO 3126

Clause 5.2.2 Table 5

Clause 5.2.3 Table 6

Clause 5.3 Table 8 (PE 80 @ 20°C ≥ 100 hours)

Clause 5.3 Table 8 (Elongation @ break ≥ 350%)

Clause 5.4 Table 10 (>20mins,200°C)

Clause 5.4 Table 10 : ± 20% of nominal value

Clause 5.4 Table 10 (≤ 3%)

HDPE PE 80/Sigma, working pressure:4 bar:
Design co-efficient C=4

Diameter mm	Wall thickness mm	
	PN4	di
20	3.0	14.0
25	3.0	19.0
32	3.0	26.0
40	3.7	32.6
50	4.6	40.8
63	5.8	51.4
75	6.8	61.4
90	8.2	73.6

Manufactured by STR Marketing Ltd

Certified MS ISO 9001:2015 / Carbon Footprint independently verified by ETC-Africa. A member of the Carbon Protocol of South Africa.