Wasser PIPES

# HDPE Pipe



Black high-density polyethylene pipe for water and gas, joined by heat fusion into leak-free, fully restrained joints.

| SIZES | PRESSURE CLASSES | LENGTHS |
|---|---|---|
| 20 mm to 110 mm | PN6 to PN20 | 6 m to 100 m |
| **COLOUR** | **MAX WORKING TEMPERATURE** | **COMPOSITION** |
| Black | 65°C | 1 layer (HDPE) |

## Applications

- Water supply mains and reticulation
- Gas
- Farms and irrigation
- Municipal and infrastructure projects

## Advantages

**Construction cost savings**
Construction cost of PE pipe can be significantly less than other pipe materials.

**Leak-free, fully restrained joints**
PE heat fusion joining forms leak-free joints that are as strong as, or stronger than, the pipe itself.

**Durability**
PE pipe installations are cost-effective and have long-term cost advantages due to the pipe's physical properties, leak-free joints, and reduced maintenance costs.

**Produced in longer lengths**
HDPE pipes can be produced in 50 metre to 100 metre lengths.

**Astral Industries Limited** · Astral Plaza, Old Mombasa Road, Kyang'ombe, Nairobi
+254 714 714 171 · info@astralind.com · wasserpipes.com

## Nominal (minimum) wall thickness in mm

| Size (mm) | PN6 | PN8 | PN10 | PN12.5 | PN16 | PN20 |
|---|---|---|---|---|---|---|
| **20** | – | – | – | – | 2.0 | 2.3 |
| **25** | – | – | – | 2.0 | 2.3 | 3.0 |
| **32** | – | – | 2.0 | 2.4 | 3.0 | 3.6 |
| **40** | – | 2.0 | 2.4 | 3.0 | 3.7 | 4.5 |
| **50** | 2.0 | 2.4 | 3.0 | 3.7 | 4.6 | 5.6 |
| **63** | 2.5 | 3.0 | 3.8 | 4.7 | 5.8 | 7.1 |
| **75** | 2.9 | 3.6 | 4.5 | 5.6 | 6.8 | 8.4 |
| **90** | 3.5 | 4.3 | 5.4 | 6.7 | 8.2 | 10.1 |
| **110** | 4.2 | 5.3 | 6.6 | 8.1 | 10.0 | 13.7 |

– Not made

## Recommended maximum operating pressure at 25°C – 40°C

| Pressure class | PN6 | PN8 | PN10 | PN12.5 | PN16 | PN20 |
|---|---|---|---|---|---|---|
| **Maximum pressure** | 6 bar | 8 bar | 10 bar | 12.5 bar | 16 bar | 20 bar |

The maximum working temperature for the pipes is 65°C.

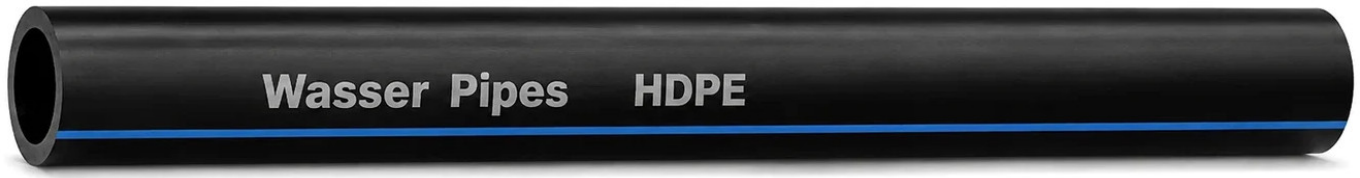
## Product codes

PATTERN

### HDP + size + comma + PN

For example, HDP63,10 is 63 mm PN10.

| Code | Size | Pressure class |
|---|---|---|
| **HDP63,10** | 63 mm | PN10 |
| **HDP40,8** | 40 mm | PN8 |
| **HDP110,6** | 110 mm | PN6 |




Specifications are taken from the Wasser Pipes technical data. Final pipe sizing and pressure selection should be confirmed by a qualified plumber or engineer.

**Astral Industries Limited** · Astral Plaza, Old Mombasa Road, Kyang'ombe, Nairobi
+254 714 714 171 · info@astralind.com · wasserpipes.com