

Afriq Water

LDPE & HDPE
Pipes are ideal
for use with our
Dripline
Irrigation
Systems and as
water
transportation

LDPE & HDPE Pipes



Afriq Water Management Pty Ltd
Reg No: 2015/103339/07

Afriq Irripipe Pty Ltd
Reg No: 2020/539256/07

Plot 69 Marabeth Tarlton
Krugersdorp Gauteng
South Africa

LDPE Pipes

LDPE

Low Density Polyethylene

LDPE pipe is manufactured from approved prime-graded recycled material, to ensure a long lasting and durable end product.

Uses

- ◆ Mainline and manifold Sprinkler and Drip Irrigation systems
- ◆ Drainage systems
- ◆ Agricultural piping
- ◆ Pipe is UV protected and resistant to most chemicals like fertilizers etc

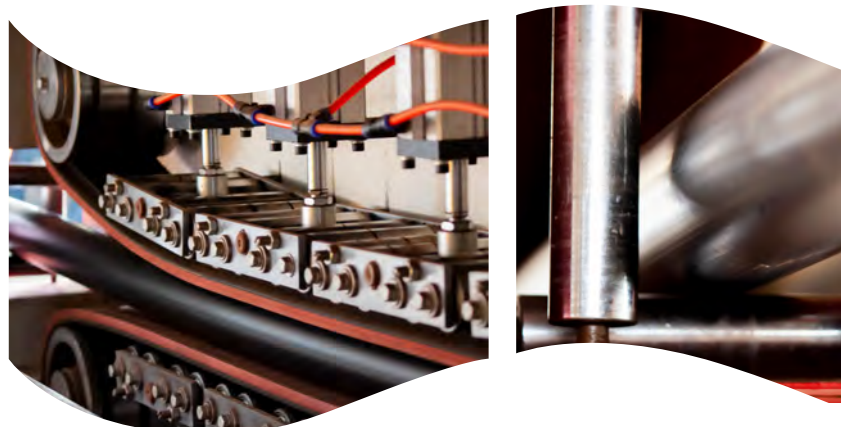
Installation

- ◆ Can handle up to 3 BAR
- ◆ Installed using normal Poly-Prop Fittings, available from most hardware stores and CO-Ops
- ◆ Fittings and pipe should be warmed to assist with pushing the pipe over the fitting
- ◆ LDPE pipe can be buried or used above ground

LDPE CL 3 Specifications

LDPE is measured internally as opposed to HDPE which is normally measured by the outside diameter.

DIA.	INTERNAL DIA.	EXTERNAL DIA.	Wall Thickness	MASS
mm				kg/m
15	15,85	18,35	2,50	0,0618
20	20,70	24,05	3,35	0,1085
25	26,75	30,01	3,26	0,1378
32	34,30	37,85	3,55	0,1853
40	40	44,60	4,20	0,2583
50	51,85	57,15	5,50	0,4331
65	62,35	68,86	6,51	0,6172
80	77,75	85,75	8,00	0,9466



HDPE Pipes

HDPE

High Density Polyethylene

HDPE pipe is manufactured from polyethylene thermoplastic made from petroleum

Uses

- ◆ Water transportation, incl. wastewater, slurries, chemicals, and hazardous wastes.
- ◆ Drinking water transportation
- ◆ Agricultural irrigation
- ◆ Disinfectants such as chlorine and chloramine are approved for use in HDPE pipe.
- ◆ Trenchless applications where digging is difficult or impossible
- ◆ Above ground pipeline installations as it is UV protected and if it meets the hydrostatic pressure requirements of the design

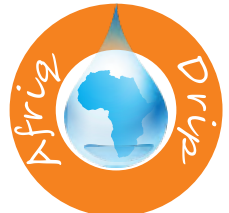
Installation

- ◆ Can handle up to 6 BAR
- ◆ Connect with compression fittings
- ◆ Can be installed via trench for pipe laying
- ◆ Can also be installed with a commercial auger which will drill through the ground and pull the pipe with it (recommended for situations where trenching might not be allowed or possible; like in streets or driveways)

HDPE CL 6 Specifications

HDPE pipes delivers strong, long-lasting performance with a light weight and price tag. Conservatively expected to last 50-100 years by the Plastic Pipe Institute.

DIA.	INTERNAL DIA.	EXTERNAL DIA.	Wall Thickness	MASS
mm				kg/m
40	36,40	40	1,8	0,25
50	46	50	2	2
63	58	63	2,5	2,5
75	69,20	75	2,9	2,9
90	83	90	3,5	3,5



irrigating for a greener tomorrow

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Business Hours

Mon - Fri 08:00 - 17:00
Sat, Sun & Public Holidays Closed

**We do not do installations,
we will try our best to refer you to
experts in certain areas.**

Contact Us

