



VARIABLE PRESSURE RATINGS - LDPE PRESSURE PIPE

Product code: 300 Series

Compliance:

Iplex ALKATHENE is an imperial dimension (nominal ID), Low Density polyethylene pressure pipe, manufactured in New Zealand, using a Quality Management System accredited to AS/ISO 9001. The Outside Diameter of Iplex ALKATHENE™ conforms to NZS 7601.

Features and Benefits;

- ALKATHENE has higher pressure rating in each size than NZS 7601 (Refer table below)
- ALKATHENE is manufactured from black Pre-Compounded LDPE, for consistent carbon black dispersion in the resin, to maximise ability to resist UV degradation
- ALKATHENE is resistant to bloat remedies, used with in-line, bloat treatment dispensing systems.
- ALKATHENE is approved by Hansen Products (NZ) Ltd for use with LDPE-compatible Hansen mechanical pipe fittings, and by Hydroflo Distributors Ltd, with LDPE-compatible ANKA brand mechanical pipe fittings,
- ALKATHENE has robust wall section, resistant to kinking
- ALKATHENE is safe for use with potable water
- ALKATHENE is available in four different coil lengths (25, 50, 100 and 200 metres) to suit a wide range of applications.

Applications:

- Farm Water Reticulation and Stock Water Supply
- Agricultural and Horticultural Irrigation

Fittings and Connections:

Iplex ALKATHENE pipe may be used with LDPE-compatible Hansen Easy Fit Brand mechanical fittings, or ANKA Brand fittings



HANSEN Easyfit Pipe Coupling



ANKA Pipe Coupling

Iplex ALKATHENE 20mm (25mmOD) and 25mm (31mmOD) sizes only, may be used with PLASSON Line 7 (2500 Series) or PLASSON Series 1 (3500 Series) mechanical fittings,



PLASSON Line 7 Pipe Coupling



PLASSON Series 1 Pipe Coupling

Design and Installation:

Iplex ALKATHENE should be installed in accordance with

- AS / NZS 2033 Installation of Polyethylene pipe systems,
- Iplex Pipelines Guideline "How I Install PE Pipes" - available on line from the Resources section of the Iplex NZ Website
- Alkathene Pipe Flow Chart -available on line from the Resources section of the Iplex NZ Website

Alkathene Product range

Product Code	Pipe Size OD (mm)	Mean Bore ID (mm)	Pressure Rating*		Standard Coil Sizes (m)				NZS 7601 Pressure rating
			(BAR)	(PSI)	25	50	100	200	
300.15	17	12.8	9.7	141	✓	✓	✓	✓	9
300.20	25	19.0	9	131	✓	✓	✓	✓	8
300.25	31	25.3	8	116	✓	✓	✓	✓	6.5
300.32	38	31.1	7	102	✓	✓	✓	✓	5
300.40	44	37.5	6	87	✓	✓	✓	✓	4.5
300.50	57	50.0	5	73	✓	✓	✓	✓	3.5

*Maximum operating pressure at 20°C

Code Explanation ID (mm)	
Product Code	
300-40-50	
Coil Length (metres)	

