



Since 1979

HIGH DENSITY POLYETHYLENE (HDPE) PIPE PE100

CHIN LEAN® CL 2031 High-Density Polyethylene (HDPE) Pipe - PE100

is made from ethylene, which can be derived from either crude oil or natural gas. HDPE pipe is extremely strong, durable, flexible, corrosion free and chemical resistant. These features make it perfect for a variety underground conditions and help it last up to 100 years. The smooth walls allow for less friction, which increase flow through the same diameter as that of other pipes.

QUALITY ASSURANCE

Chin Lean Plastic is established the Quality Management System has been complies to ISO 9001:2015 assessed by SIRIM QAS International Sdn. Bhd. to ensure quality system and quality product fulfill to the requirements. Certificate No. : MY-QMS 01016

CERTIFICATION

Chin Lean HDPE pipe is certified by SIRIM QAS International Sdn. Bhd. certification body of Malaysian since 2007 with certificate No.: PC007115 • Standard reference: MS1058 : Part 2



ADVANTAGES

High Impact Strength

To ensure a greater resistance to the rigours of pipe laying conditions.

Tough & Durable

PE pipes are flexible and tough, ensuring highest durability and a long service life at low maintenance costs

Corrosion and Chemical Resistant

Nonconductive polymer and does not rust or corrode, assuring long service and effective use of municipal dollars.

Abrasion Resistance

Excellent abrasion resistance providing long life in abrasive slurry applications.

Chemical Resistance

Wide range of chemical reagents allows the use of polyethylene systems in applications such as chemical treatment applications used in mining operations.

Ease of Installation

The light weight of PE pipes makes them easy to transport and install, reducing the overall installation cost. The pipe can produced in long length in coils to provide less frequent jointing.

Weathering Resistance

PE pipes are stabilized against ultra violet (UV) light degradation by the inclusion of carbon black in the raw material.

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PRODUCT FEATURES

Application	Potable water supply, lift irrigation, pumping main & distributor pipe line, a chemical, fertilizer, food & dairy plants pipe lines instead of metal or cement pipes
Range Diameter	from 20 mm to 250mm outside diameter
Maximum Working Pressure	8 bar to 20 bar.
Material Grade	Grade PE 100
Colour	Black colour with blue stripe
Length	6 meter in straight length, 50 meter and 100 meter in coiled length for size up to 110mm

PIPE DIMENSIONS (PE100)

Nominal Pressure		PN 8		PN 10		PN 12.5		PN 16		PN 20		
Standard Dimension Ratio		SDR 21		SDR 17		SDR 13.6		SDR 11		SDR 9		
Nominal Size (mm)	Outside Diameter (mm)		Wall Thickness (mm)		Wall Thickness (mm)		Wall Thickness (mm)		Wall Thickness (mm)		Wall Thickness (mm)	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
20	20.00	20.30	-	-	-	-	-	-	2.00	2.30	2.30	2.70
25	25.00	25.30	-	-	-	-	2.00	2.30	2.30	2.70	3.00	3.40
32	32.00	32.30	-	-	2.00	2.30	2.40	2.80	3.00	3.40	3.60	4.10
50	50.00	50.40	2.40	2.80	3.00	3.40	3.70	4.20	4.60	5.20	5.60	6.30
63	63.00	63.40	3.00	3.40	3.80	4.30	4.70	5.30	5.80	6.50	7.10	8.00
90	90.00	90.60	4.30	4.90	5.40	6.10	6.70	7.50	8.20	9.20	10.10	11.30
110	110.00	110.70	5.30	6.00	6.60	7.40	8.10	9.10	10.00	11.10	12.30	13.70
160	160.00	161.00	7.70	8.60	9.50	10.60	11.80	13.10	14.60	16.20	17.90	19.80
180	180.00	181.00	8.60	9.60	10.70	11.90	13.30	14.80	16.40	18.20	20.10	22.30
200	200.00	201.20	9.60	10.70	11.90	13.20	14.70	16.30	18.20	20.20	22.40	24.80
225	225.00	226.40	10.80	12.00	13.40	14.90	16.60	18.40	20.50	22.70	25.20	27.90
250	250.00	251.50	11.90	13.20	14.80	16.40	18.40	20.40	22.70	25.10	27.90	30.80
280	280.00	281.70	13.40	14.90	16.60	18.40	20.60	22.80	25.40	28.10	31.30	34.60
315	315.00	316.90	15.00	16.60	18.70	20.70	23.20	25.70	28.60	31.60	35.20	38.90

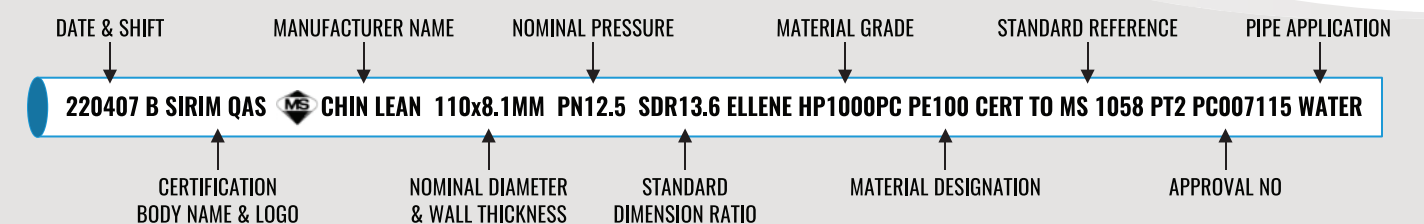
TESTING

Generally minimum of frequency factory routine test are carried out according to MS 1058: Part 5 for characteristics test of:

- Appearance and dimension
- Hydrostatic strength at 80°C for 165 hours
- Hydrostatic strength at 80°C for 1000 hours
- Oxidation induction time (OIT)
- Melt flow index

MARKING

Printing by hot stamping printer as following identification:



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