

UPVC Underground Drainage And Sewer Piping Systems

CHINLEAN® UPVC drainage and sewer is smooth internal and external wall pipes manufacturer with comply to MS 979: Part 1 (BS 4660) for diameter up to 155mm and MS979: Part 2 (BS 5481) for pipes diameter 200 mm and above.

APPLICATION

Pipes application for the conveyance of normal domestic effluents including foul and surface water sewers.

PRODUCT FEATURES

Material: Unplasticized Polyvinyl Chloride (UPVC)
 Colour: Golden Brow
 Length: 6 meter & 5.8 meter
 Joint: Solvent cement weld

MATERIAL PROPERTIES

Specific gravity: 1.4
 Specific heat: 1000 J/kg/°C
 Thermal conductivity: 1.6 W/m/°C
 Coefficient of linear expansion: 6×10^{-5} mm/mm/°C
 Vicat softening point: 79°C
 Modulus of elasticity in bend: 3000 N/mm²
 Tensile strength at yield: 45 N/mm²
 Elongation at break: 80 %

MARKING

All drainage and sewer pipes are printed with used printer, the following details at approximately meter intervals.

The fittings has clearly and durably marked by moulded impression for each cavity of products.

ADVANTAGES

High Impact Strength - To ensure a greater resistance to the rigours of pipe laying conditions.

Easy Handling/ Installation - The ease of handling, installation and transport provide overall project savings.

Chemical Resistance - A high level of chemical resistance to the wide range of substances found in both effluent and contaminated soils.

Superior flow characteristics - It's very smooth bore and chemical resistance characteristics ensure no scale or built up corrosion, thus producing a high flow capacity.

QUALITY ASSURANCE

Chin Lean Plastic is established the Quality Management System has been complies to ISO 9001: 2008 assessed by SIRIM QAS International Sdn. Bhd. to ensure quality system and quality product fulfill to the requirements. Certificate No.: AR 2643

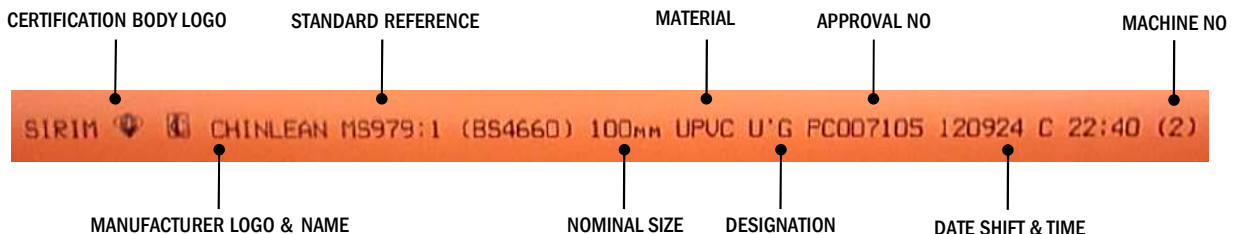


CERTIFICATION

CHINLEAN UPVC underground drainage and sewer pipe is certified by SIRIM QAS International Sdn. Bhd. certification body of Malaysian since 1996 with certificate No.: PC007102 (MS979: Part 2) and PC007105 (MS979: Part 1)



MS ISO 9001 : 2008 : REG NO.: AR 2643

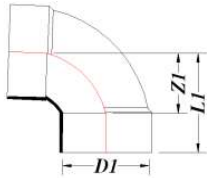


Product Dimension



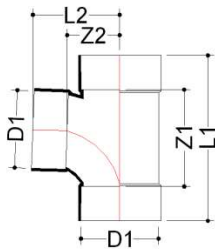
UPVC Underground Pipes

Nominal Size DN (mm)	Outside diameter D (mm)	Wall Thickness (mm)
100	110.0 – 110.4	3.2
155	160.0 – 160.6	4.1
200	200.0 – 200.6	4.9
250	250.0 – 250.7	6.1
315	315.0 – 315.9	7.7



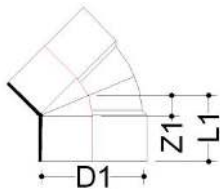
88° Swept Bend

Nominal Size DN (mm)	Dimension (mm)		
	D1	L1	Z1
100	110.2	124	75
155	160.2	178	120
200	200.4	189	115



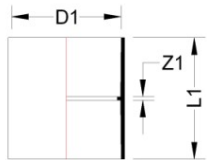
Equal Single Branch (88°)

Nominal Size DN (mm)	Dimension (mm)				
	D1	L1	L2	Z1	Z2
100	110.2	236	137	140	89
155	160.2	321	178	205	120



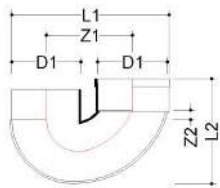
45° Bend

Nominal Size DN (mm)	Dimension (mm)		
	D1	L1	Z1
100	110.2	72	24
155	160.2	93	35
200	200.4	130	59



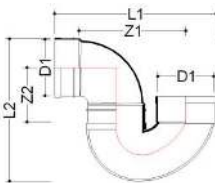
Straight Coupling

Nominal Size DN (mm)	Dimension (mm)		
	D1	L1	Z1
100	110.2	100	4
155	160.2	120	4
200	200.4	200	4



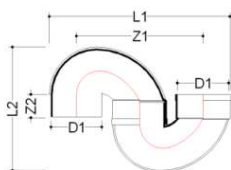
'U' Body (M/F)

Nominal Size DN (mm)	Dimension (mm)				
	D1	L1	L2	Z1	Z2
100	110.2	250	163	137	17



'P' Trap ('U' Body) F/F

Nominal Size DN (mm)	Dimension (mm)				
	D1	L1	L2	Z1	Z2
100	110.2	318	280	211	107



'S' Trap ('U' Body) M/F

Nominal Size DN (mm)	Dimension (mm)				
	D1	L1	L2	Z1	Z2
100	110.2	392	262	274	50



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