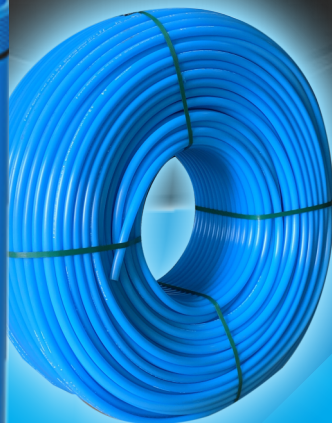


IS4984:2016 IS12818 : 2010 IS12701:1996 IS4985:2021 IS12786 : 1989 IS13488:2008
 CML-5300045184 CML-5300046994 CML-5300048998 CML-5300059094 CML-5300058294 CML-5300058395



NEWTON PIPE INDUSTRY

An ISO 9001:2015 Certified Company



Note : Ribbed Screen Pipes as per IS : 12818 are available in Blue Colour

Laterals & Emitting Pipes System | Micro Irrigation System | Portable Sprinkler | Water Tank | UPVC Pipes Fittings | MDPE Pipes Fittings
HDPE Pipes Fittings | SWR Pipes Fittings | Leno Bag | Banana Fruit Trap Bag | Chair | Plastic Crates



Specification
540 x 360 x 290 mm





Newton Pipe Industry

An ISO 9001:2015 Certified Company

IS4984:2016
CML-5300045184
 IS12818 : 2010
CML-5300046994
 IS12701:1996
CML-5300048998
 IS4985:2021
CML-5300059094
 IS12786 : 1989
CML-5300058294
 IS13488:2008
CML-5300058395



Nominal Size mm (Inch)	Outer Diameter (D) in mm		Wall Thickness (t) in mm				Length	Thread Type
			Schedule 40		Schedule 80		L(m)	
	Min	Max	Min	Max.	Min	Max.		
40 (1½")	48.11	48.41	3.68	4.19	5.08	5.69	3/6	V
50 (2")	60.17	60.47	3.91	4.42	5.54	6.2	3/6	V
80 (3")	8.7	89.1	5.49	6.15	7.01	7.49	3/6	V
100 (4")	114.07	114.53	6.02	6.73	8.56	9.58	3/5	V
150 (6")	168	168.56	7.11	7.97	10.97	12.29	5/3	Square
200 (8")	218.7	219.4	8.18	9.17	12.7	14.22	5/3	Square
250 (10")	272.67	273.43	9.27	10.39	15.06	16.86	3	Square
300 (12")	324.47	324.23	10.31	11.55	17.45	19.53	3	Square

Note : Pipe length is inclusive of Socket length.

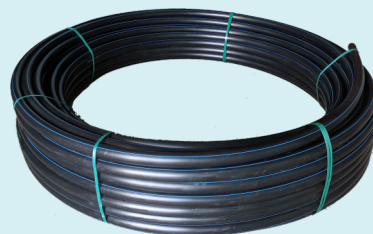


HDPE PIPES

Standard dimension ratio (SDR) and corresponding wall thickness of Pipes
(As per IS-4984 : 2016)

Thickness Chart as per IS 4984:2016 (PE 100)											
DN	DN		Ovality	SDR 21		SDR 17		SDR 13.6		SDR 11	
				PN 6		PN 8		PN 10		PN 12.5	
	Min	Max		Thickness		Thickness		Thickness		Thickness	
				Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
20	20.00	20.30	1.20							1.90	2.20
25	25.00	25.30	1.20					1.90	2.20	2.30	2.60
32	32.00	32.30	1.30			1.90	2.20	2.40	2.70	2.90	3.30
40	40.00	40.40	1.40	1.90	2.20	2.40	2.70	3.00	3.40	3.70	4.20
50	50.00	50.40	1.40	2.40	2.70	3.00	3.40	3.70	4.20	4.60	5.20
63	63.00	63.40	1.50	3.00	3.40	3.70	4.20	4.70	5.30	5.80	6.50
75	75.00	75.50	1.60	3.60	4.10	4.50	5.10	5.60	6.30	6.90	7.70
90	90.00	90.60	1.80	4.30	4.80	5.30	5.90	6.70	7.50	8.20	9.10
110	110.00	110.70	2.20	5.90	6.60	6.50	7.30	8.10	9.00	10.00	11.10
125	125.00	125.80	2.50	6.00	6.70	7.40	8.20	9.20	10.20	11.40	12.70
140	140.00	140.90	2.80	6.70	7.50	8.30	9.20	10.30	11.40	12.80	14.20
160	160.00	161.00	3.20	7.70	8.60	9.50	10.60	11.80	13.10	14.60	16.20
180	180.00	181.10	3.60	8.60	9.60	10.60	11.80	13.30	14.70	16.40	18.10
200	200.00	201.20	4.00	9.60	10.70	11.80	13.10	14.70	16.30	18.20	20.10
225	225.00	226.40	4.50	10.80	12.00	13.30	14.70	16.60	18.40	20.50	22.70
250	250.00	251.50	5.00	12.00	13.30	14.70	16.30	18.40	20.30	22.80	25.20

Thickness Chart as per IS 4984:2016 (PE 80)											
DN	DN		Ovality	SDR 17		SDR 13.6		SDR 11		SDR 9	
				PN 6		PN 8		PN 10		PN 12.5	
	Min	Max		Thickness		Thickness		Thickness		Thickness	
				Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
20	20.00	20.30	1.20					1.90	2.20	2.30	2.60
25	25.00	25.30	1.20			1.90	2.20	2.30	2.60	2.80	3.20
32	32.00	32.30	1.30	1.90	2.20	2.40	2.70	2.90	3.30	3.60	4.10
40	40.00	40.40	1.40	2.40	2.70	3.00	3.40	3.70	4.20	4.50	5.10
50	50.00	50.40	1.40	3.00	3.40	3.70	4.20	4.60	5.20	5.60	6.30
63	63.00	63.40	1.50	3.70	4.20	4.70	5.30	5.80	6.50	7.00	7.80
75	75.00	75.50	1.60	4.50	5.10	5.60	6.30	6.90	7.70	8.40	9.30
90	90.00	90.60	1.80	5.30	5.90	6.70	7.50	8.20	9.10	10.00	11.10
110	110.00	110.70	2.20	6.50	7.30	8.10	9.00	10.00	11.10	12.30	13.60
125	125.00	125.80	2.50	7.40	8.20	9.20	10.20	11.40	12.70	13.90	15.40
140	140.00	140.90	2.80	8.30	9.20	10.30	11.40	12.80	14.20	15.60	17.30
160	160.00	161.00	3.20	9.50	10.60	11.80	13.10	14.60	16.20	17.80	19.70
180	180.00	181.10	3.60	10.60	11.80	13.30	14.70	16.40	18.10	20.00	22.10
200	200.00	201.20	4.00	11.80	13.10	14.70	16.30	18.20	20.10	22.30	24.60
225	225.00	226.40	4.50	13.30	14.70	16.60	18.40	20.50	22.70	25.00	27.60
250	250.00	251.50	5.00	14.70	16.30	18.40	20.30	22.80	25.20	27.80	30.70





NEWTON PIPE INDUSTRY

HIGH DENSITY POLYETHYLENE PIPES FOR POTABLE WATER SUPPLIES

STANDARD IS: 4984:2016

LICENCE NO: 5300045184

ABOUT:

We are a trusted manufacturer and supplier of High-Density Polyethylene (HDPE) Pipes, designed to deliver unmatched performance, durability, and cost efficiency. Manufactured using premium-grade polyethylene and advanced extrusion technology, our HDPE pipes meet international quality standards for water supply, irrigation, industrial applications, and infrastructure projects.

With their lightweight, flexible, and corrosion-resistant properties, our HDPE pipes offer a modern solution to replace conventional piping materials like steel, iron, or cement. They are engineered to withstand high pressures, harsh climates, and demanding operating conditions, ensuring long service life with minimal maintenance.

USED:

This pipe may be used:

- Water Supply – Safe transportation of potable water.
- Irrigation & Agriculture – Efficient water delivery to crops and farms.
- Sewage & Drainage – Reliable performance in wastewater management.
- Industrial Applications – Chemical, slurry, and fluid transfer.
- Cable Protection – Used as ducts for power and communication cables

Benefit: - This Pipe used for many Benefit

- Corrosion & Chemical Resistance – No rusting, scaling, or chemical damage.
- Leak-Free Joints – Advanced fusion welding ensures zero leakage.
- Lightweight & Flexible – Easy handling, transport, and installation.
- Long Lifespan – Over 50 years of service under normal conditions.
- Cost-Effective – Reduced maintenance and installation costs.
- Eco-Friendly – Non-toxic and recyclable material.

Our manufacturing of the Product under License:

- PE80/PN10 DN20,40,50,63,75,90,110,125,140,160,180 mm
- PE100 PN16 DN 20 SDR 9
- PE100 PN5 DN50mm up to and including 180mm, PE100 PN6 DN 40mm up to and including 180mm, PE100 PN8 DN 40mm up to and including 180mm, PE 100 PN10 DN40mm up to and including 180mm,



Dimension Chart and Picture Image of the Product

Table 4 Standard Dimension Ratio (SDR) and Corresponding Wall Thicknesses (e) of Pipes
(Clauses 7.4 and E-4.3)

SDR	SDR 41	SDR 33	SDR 26	SDR 21	SDR 17	SDR 13.6	SDR 11	SDR 9	SDR 7.4	SDR 6
PE 40	PN 2	PN 2.5	PN 3.2	PN 4	PN 5	PN 6	PN 8	-	-	-
PE 80	PN 2.5	PN 3.2	PN 4	PN 5	PN 6	PN 8	PN 10	PN 12.5	PN 16	PN 20
PE 100	PN 3	PN 4	PN 5	PN 6	PN 8	PN 10	PN 12.5	PN 16	PN 20	PN 25
Wall Thicknesses										
Nominal OD d _n mm	PE 40 mm	PE 80 mm	PE 100 mm	PE 40 mm	PE 80 mm	PE 100 mm	PE 40 mm	PE 80 mm	PE 100 mm	PE 40 mm
16										
20										
25										
32										
40										
50										
63										
75	1.9	2.2	2.3	2.6	2.9	3.2	3.6	4.1	4.4	4.9
90	2.2	2.5	2.8	3.2	3.5	4.0	4.3	4.8	5.3	5.9
110	2.7	3.1	3.4	3.8	4.3	4.8	5.3	5.9	6.6	7.3
125	3.1	3.5	3.8	4.3	4.8	5.4	6.0	6.7	7.4	8.2
140	3.5	4.0	4.3	4.8	5.4	6.0	6.7	7.5	8.3	9.2
160	3.9	4.4	4.8	5.5	6.2	6.9	7.7	8.6	9.5	10.6
180	4.4	4.9	5.5	6.2	7.0	7.8	8.6	9.6	10.6	11.8
200	4.9	5.5	6.1	6.8	7.6	8.6	9.6	10.6	11.8	13.3
225	5.5	6.2	6.9	7.7	8.7	9.7	10.8	12.0	13.3	14.7
250	6.1	6.8	7.6	8.5	9.7	10.8	12.0	13.3	14.7	16.3
280	6.9	7.7	8.5	9.5	10.8	12.0	13.3	14.7	16.3	18.4
315	7.7	8.6	9.6	10.7	12.2	13.5	15.0	16.6	18.6	20.8
355	8.7	9.7	10.8	12.0	13.5	15.0	16.6	18.6	20.8	23.2
400	9.8	10.9	12.2	13.5	15.4	17.0	19.1	21.5	23.8	26.5
450	11.0	12.2	13.7	15.2	17.1	19.1	21.5	23.8	26.5	29.3
500	12.2	13.5	15.2	16.8	19.3	21.3	23.9	26.4	29.5	32.6
560	13.7	15.2	17.0	18.8	21.6	23.9	26.7	29.3	33.0	36.4
630	15.4	17.0	19.1	21.1	24.3	26.8	30.0	33.1	37.1	40.9
710	17.3	19.1	21.6	23.9	27.3	30.1	33.9	37.4	41.8	46.1
800	19.5	21.6	24.3	26.8	30.8	34.0	38.1	42.0	47.1	51.9
900	22.0	24.3	27.3	30.1	34.7	38.3	42.9	47.3	52.6	58.4
1000	24.4	26.9	30.3	33.4	38.5	42.5	47.7	52.6	58.9	64.9
1200	29.3	32.3	36.4	40.1	46.2	50.9	57.2	63.9	70.8	78.3
1400	34.1	37.6	42.5	46.9	53.9	59.4	66.7	73.5	82.4	90.7
1600	39.0	43.0	48.5	53.1	61.6	67.9	76.2	83.9	94.2	103.7
1800	43.9	48.4	54.6	60.2	69.3	76.3	85.8	94.5	105.9	116.6
2000	48.8	53.8	60.6	66.8	77.0	84.8	95.3	104.9	117.7	129.6

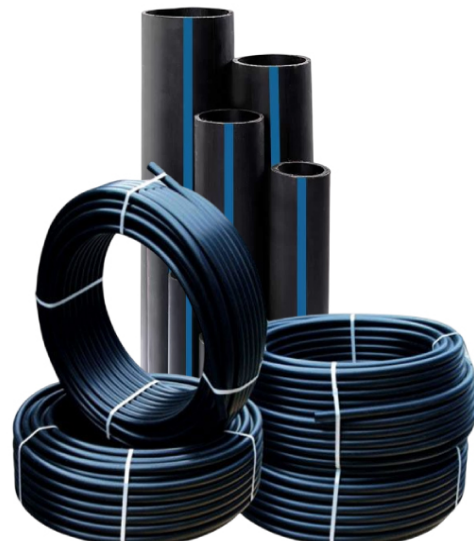
NOTES

1 Tolerances calculated from (0.1 e_{nom} + 0.1) mm rounded up to the next 0.1 mm.

2 All pressure ratings are calculated at 27°C and rounded up to nearest pressure class.

3 Considering operational problems, maximum wall thickness of pipes are considered around 130 mm.

ISO 4427:2015



Manufacturing Address: - Vill: Meyar, P.O:- Kairy – Meyar, P.S:- Noorsarai, Disti:- Nalanda, Pin:- 803118 (Bihar)



NEWTON PIPE INDUSTRY

UNPLASTICIZED PVC PIPES FOR POTABLE WATER SUPPLIES

STANDARD IS: 4985:2021

LICENCE NO: 5300059094

ABOUT:

We are a trusted name in the manufacturing and supply of uPVC (Unplasticized Polyvinyl Chloride) pipes for reliable and efficient water supply systems. With a commitment to quality, innovation, and sustainability, our products are designed to meet the highest industry standards and deliver long-lasting performance.

Our uPVC pipes are non-toxic, corrosion-resistant, lightweight, and easy to install, making them ideal for residential, commercial, and agricultural water distribution. Manufactured with advanced technology and rigorous quality control, they ensure leak-proof performance and safe drinking water delivery.

USED:

This pipe may be used different sector:

1. For Domestic Water Supply
2. For Commercial & Institutional Water Supply
3. For Agricultural Irrigation Water Supply
4. Rain Water Harvest System, Etc.

Benefit: - This Pipe used for many Benefit

1. Corrosion & Rust Resistance,
2. Non-Toxic & Safe,
3. Light weight,
4. Easy to install,
5. High Durability,
6. Low Maintenance cost,
7. Cost Effective and Etc.



Our manufacturing of the Product under License:

1. Type A, Plain ended and Socketed for solvent cement jointing , Class -3,Nominal Size: DN 40 mm Up to including DN110 mm
2. Class 2/Type A and B/ DN 40 mm to up to and including 110 mm, End of pipes: Plain ended pipes and Socketed for solvent cement jointing
3. CLASS- 3, Type-A and B, SIZE- DN 125mm up to and including DN 200 mm, End of pipes: Plain ended pipes and Socketed for solvent cement jointing

Dimension Chart and Picture Image of the Product

Table 1 Dimensions of Unplasticized PVC Pipes
(Classes 7.1.1 and 7.1.2)
All dimensions in millimetres.

Sl No.	Nominal Outside Diameter (Nominal Size)	Mean Outside Diameter	Outside Diameter at Any Point ^a	Wall Thickness																																			
				Class 1 0.25 MPa						Class 2 0.40 MPa						Class 3 0.60 MPa						Class 4 0.80 MPa						Class 5 1.00 MPa						Class 6 1.25 MPa					
				Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)									
0	20	20.0	20.3	19.5	20.5													1.6	1.2	1.6	1.8	1.4	1.8	2.1	1.7	2.1	2.7	2.2	2.7	3.3									
0	25	25.0	25.3	24.5	25.5													1.9	1.5	1.9	2.2	1.8	2.2	2.7	2.2	2.7	3.3	2.8	3.3	4.0									
0	32	32.0	32.3	31.5	32.5													2.1	1.7	2.1	2.8	2.3	2.8	3.3	2.8	3.3	4.0	3.4	4.0	4.9									
0	40	40.0	40.3	39.5	40.5								1.8	1.4	1.8	2.2	1.8	2.2	2.7	2.2	2.7	3.3	2.8	3.3	4.0	3.4	4.0	4.9	5.1	5.9									
0	50	50.0	50.3	49.4	50.6								2.1	1.7	2.1	2.8	2.3	2.8	3.3	2.8	3.3	4.0	3.4	4.0	4.9	5.1	5.9	6.1	7.0	8.5									
0	63	63.0	63.3	62.2	63.8					1.9	1.5	1.9	2.7	2.2	2.7	3.3	2.8	3.3	4.0	3.4	4.0	4.9	5.1	5.9	6.1	7.0	8.5	9.6	11.4	13.7									
0	75	75.0	75.3	74.1	75.9					2.2	1.8	2.2	3.1	2.6	3.1	4.0	3.4	4.0	4.9	4.2	4.9	5.9	5.1	5.9	6.1	7.0	8.5	9.6	11.4	13.7									
0	90	90.0	90.3	88.9	91.1	1.7	1.3	1.7	2.6	2.1	2.6	3.7	3.1	3.7	4.6	4.0	4.6	5.7	5.0	5.7	7.0	6.1	7.1	8.5	7.5	8.7	10.7	10.2	11.9	14.5									
0	110	110.0	110.4	108.6	111.4	2.0	1.6	2.0	3.0	2.5	3.0	4.3	3.7	4.3	5.6	4.9	5.6	7.0	6.1	7.1	8.5	7.5	8.7	10.7	10.2	11.9	14.5	13.8	15.9	19.6									
0	125	125.0	125.4	123.5	126.5	2.2	1.8	2.2	3.4	2.9	3.4	5.0	4.3	5.0	6.4	5.6	6.4	7.8	6.9	8.0	9.6	8.5	9.8	11.9	10.6	12.5	15.4	14.5	16.8	20.9									
0	140	140.0	140.5	138.3	141.7	2.4	2.0	2.4	3.8	3.2	3.8	5.5	4.8	5.5	7.2	6.3	7.3	8.7	7.7	8.9	10.7	9.5	10.7	12.9	11.5	13.6	16.6	15.5	18.1	22.6									
0	160	160.0	160.5	158.0	162.0	2.8	2.3	2.8	4.3	3.7	4.3	6.2	5.4	6.2	8.2	7.2	8.3	9.9	8.8	10.2	12.6	11.0	12.7	15.2	13.5	15.9	19.2	17.9	20.9	25.7									
0	180	180.0	180.6	177.8	182.2	3.1	2.6	3.1	4.9	4.2	4.9	7.0	6.1	7.1	9.0	8.0	9.2	11.1	9.9	11.4	13.7	12.2	14.1	16.6	14.7	17.4	21.1	19.4	22.8	28.1									
0	200	200.0	200.6	197.6	202.4	3.4	2.9	3.4	5.3	4.6	5.3	7.7	6.8	7.9	10.0	9.0	10.3	12.3	11.0	12.7	15.2	13.6	15.6	18.1	16.0	19.0	22.8	21.1	24.6	30.3									
0	225	225.0	225.7	222.5	227.7	3.9	3.3	3.9	6.0	5.2	6.0	8.6	7.6	8.8	11.2	10.0	11.5	13.9	12.4	14.1	17.1	15.3	17.4	20.5	18.3	21.7	25.9	23.7	27.7	33.9									
0	250	250.0	250.8	247.0	253.0	4.2	3.6	4.2	6.5	5.7	6.5	9.6	8.5	9.8	12.6	11.2	12.9	15.4	13.8	15.9	18.9	16.7	19.0	22.6	20.1	23.6	28.1	25.5	29.9	36.7									
0	280	280.0	280.9	276.6	284.4	4.8	4.1	4.8	7.3	6.4	7.4	10.7	9.5	11.0	14.0	12.5	14.4	17.2	15.4	17.8	21.1	19.0	21.9	25.5	22.7	26.6	31.5	28.5	33.4	41.1									
0	315	315.0	316.0	311.2	318.8	5.3	4.6	5.3	8.2	7.2	8.3	12.0	10.7	12.4	15.6	14.0	16.1	19.3	17.3	19.9	23.8	21.4	24.4	28.4	25.4	29.4	34.8	31.6	36.9	45.4									
0	355	355.0	356.1	350.7	359.3	5.9	5.1	5.9	9.2	8.1	9.4	13.4	12.0	13.8	17.6	15.8	18.2	21.8	19.6	22.6	26.8	24.1	27.4	31.9	28.6	33.3	39.1	35.4	41.1	50.0									



IS 4985:2021



NEWTON PIPE INDUSTRY

ROTATIONAL MOULDED POLYETHYLENE WATER STORAGE TANKS

STANDARD IS: 12701:1996

LICENCE NO: 5300048998

ABOUT:

We specialize in the design and manufacture of high-quality rotational molded polyethylene water storage tanks that are built to last. With a strong commitment to innovation, durability, and environmental responsibility, we have become a trusted name in water storage solutions.

Our tanks are made using the rotational molding process, which ensures seamless, stress-free construction and exceptional strength. Manufactured from UV-stabilized, food-grade polyethylene, our products are corrosion-resistant, leak-proof, and ideal for a wide range of residential, agricultural, commercial, and industrial applications.

USED:

- **Domestic Use**
 - Storing drinking water for households
 - Rainwater harvesting systems
 - Water storage for gardening and cleaning
- **Agricultural Use**
 - Irrigation water storage
 - Livestock water supply
 - Fertilizer and pesticide dilution tanks
- **Commercial & Industrial Use**
 - Storage of water for manufacturing and processing
 - Firefighting reserve water storage
 - Construction site water supply
- **Municipal & Rural Development**
 - Community water supply
 - Emergency or disaster water storage
 - Remote area water solutions

Benefit:

- **Seamless and Leak-Proof Design**
 - The rotational moulding process produces a single-piece, seamless tank, reducing the risk of leaks or structural failure.
- **Durable and Long-Lasting**
 - Made from **UV-stabilized, high-grade polyethylene**, these tanks resist rust, corrosion, and chemical degradation, even in harsh environments.
- **Hygienic and Safe for Drinking Water**
 - Manufactured using **food-grade plastic**, ensuring the stored water remains clean, odorless, and safe for human consumption.
- **Weather and Impact Resistant**
 - Can withstand extreme temperatures, UV exposure, and rough handling without cracking or fading.
- **Customizable**
 - Available in various shapes, sizes, and colors, with options for fittings, lids, and outlet configurations to suit specific needs.
- **Eco-Friendly**
 - 100% recyclable material and energy-efficient manufacturing process make it an environmentally responsible choice.

Our manufacturing of the Product under License:

- Cylindrical Vertical Tank, Number of layers -Double layer, Net capacity -5000 litres.
- Type-Cylindrical Vertical Tank, Number of layers- Double layer comma Net capacity-200 upto and including 500 Litres
- Type-Cylindrical Vertical Tank, Number of layers- Double layer comma Net capacity- 700,1000,1500, 2000, 3000 litre





NEWTON PIPE INDUSTRY

IRRIGATION EQUIPMENT - POLYETHYLENE PIPES FOR IRRIGATION LATERALS

STANDARD IS: 12786:2024

LICENCE NO: 5300058294

ABOUT:

We specialize in the manufacturing and supply of high-quality lateral pipes, designed for modern irrigation systems. Our lateral pipes are engineered to deliver water efficiently from the mainline to the crop area, ensuring uniform distribution and maximum water-use efficiency.

With a strong commitment to quality, durability, and performance, we produce pipes that can withstand high pressure, resist UV degradation, and perform reliably in diverse agricultural conditions. Whether for drip irrigation, sprinkler systems, or greenhouse setups, our lateral pipes are trusted by farmers, landscapers, and irrigation professionals across the region.

USED:

This pipe may be used:

- For Agricultural Irrigation Water Supply
- For Greenhouse Planting water supply
- For Sprinklers system Uniform water supply
- For Water saving Agriculture Water supply

Benefit: - This Pipe used for many Benefit

- Efficient Water Distribution – Delivers water directly to the plant root zone, reducing wastage.
- Cost-Effective – Saves on water and energy costs compared to traditional irrigation methods.
- Durable & Long-Lasting – Made from UV-resistant and weather-proof materials.
- Improves Crop Yield – Ensures plants receive consistent moisture for healthy growth.
- Easy Installation & Maintenance – Lightweight and flexible for quick setup and repairs.
- Eco-Friendly – Supports sustainable farming by conserving water.



Our manufacturing of the Product under License:

- PE Pipe /Class -2
- Nominal Outside Diameter DN 12mm
- Nominal Outside Diameter DN 16mm
- Nominal Outside Diameter DN 20mm
- Nominal Outside Diameter DN 25mm
- Nominal Outside Diameter DN 32mm

Dimension Chart and Picture Image of the Product

Table 1 Dimensions of Polyethylene Pipes for Irrigation Laterals

(Clauses 5.1 and F-1.3.2)

All dimensions in millimetres.

Sl No.	Outside Diameter	Tolerance on Outside Diameter	Class 1 (0.20 MPa)		Class 2 (0.25 MPa)		Class 3 (0.40 MPa)	
			Min	Max	Min	Max	Min	Max
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
i)	12	+0.2	0.6	0.8	0.9	1.1	1.2	1.4
ii)	16	+0.2	0.8	1.0	1.1	1.3	1.4	1.6
iii)	20	+0.2	0.9	1.1	1.2	1.4	1.5	1.7
iv)	25	+0.3	1.2	1.6	1.7	2.0	2.1	2.4
v)	32	+0.3	1.5	1.9	2.0	2.4	2.5	2.9

NOTE — Wall thickness of pipes are based on a safe working stress of 2.5 MPa at 20 °C. Occasional rise in temperature has no deleterious effects on the life and working pressure of the pipes.



Manufacturing Address: - Vill: Meyar, P.O:- Kairy – Meyar, P.S:- Noorsarai, Disti:- Nalanda, Pin:- 803118 (Bihar)



NEWTON PIPE INDUSTRY

UNPLASTICIZED POLYVINYL CHLORIDE (PVC-U) SCREEN AND CASING PIPES FOR BORE/TUBEWEL

STANDARD IS: 12818:2010

LICENCE NO: 5300046994

ABOUT:

We specialize in manufacturing and supplying high-quality PVC-U (Unplasticized Polyvinyl Chloride) screen and casing pipes designed for borewells and tubewells. Our products are engineered to provide durability, strength, and superior water flow performance in a variety of groundwater extraction applications.

Our PVC-U casing pipes offer a robust and corrosion-free solution for lining boreholes, ensuring long-lasting protection against soil collapse and contamination. The PVC-U screen pipes, with precise slotting, allow optimal water entry while preventing sand, silt, and other impurities from entering the well.

Our commitment is to provide reliable, cost-effective, and eco-friendly water extraction solutions that meet national and international quality standards. Whether for agriculture, domestic, or industrial use, our PVC-U screen and casing pipes are trusted by professionals for efficiency, safety, and durability.

USED: - This pipe may be used different sector:

- Bore wells and Tube wells – For drawing clean groundwater for domestic, agricultural, and industrial use.
- Irrigation Systems – Ensures reliable water supply for farms and plantations.
- Drinking Water Supply – Safe for potable water due to non-toxic material.
- Industrial Water Extraction – Suitable for cooling plants, factories, and construction sites.
- Groundwater Monitoring – Used in observation wells for water level and quality checks.

Benefit: - This Pipe used for many Benefit

- Corrosion-Free – Unlike steel, PVC-U does not rust, ensuring longer lifespan.
- Lightweight & Easy to Install – Reduces transportation and installation costs.
- High Strength & Durability – Withstands high ground pressure without damage.
- Non-Toxic & Safe – Suitable for drinking water without affecting taste or quality.
- Cost-Effective – Low maintenance and long service life make it economical.
- Chemical Resistant – Withstands soil chemicals, salts, and acids found underground.
- Eco-Friendly – 100% recyclable material with minimal environmental impact.

Our manufacturing of the Product under License:

- CM (Casing Pipe) 40mm to 200 mm
- RMS (filter Pipe) 40 mm to 175mm

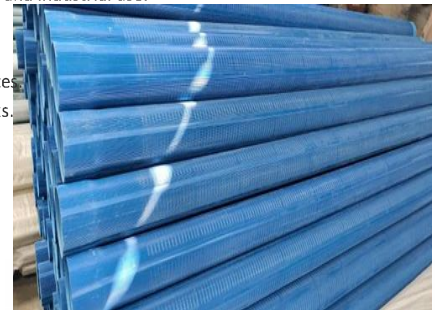
Dimension Chart and Picture Image of the Product

Table 1 Dimensions of Medium Well Screen (RMS) Pipes with Ribs
(Clause 7.1.1)

Sl No.	Nominal Diameter DN	Mean Outer Diameter of Pipe, d_m		Outer Diameter at Any Point, d_o		Mean Outer Diameter Over Connection d_c	Wall Thickness (Under Ribs), e	
		Min	Max	Min	Max		Min	Max
		(3)	(4)	(5)	(6)		(8)	(9)
(i)	35	46.0	46.2	45.9	46.3	50.0	3.5	4.0
ii)	40	52.0	52.2	51.9	52.3	56.0	3.5	4.0
iii)	50	64.0	64.2	63.9	64.3	69.0	4.0	4.6
iv)	80	92.0	92.3	91.8	92.4	98.0	4.0	4.6
v)	100	117.0	117.3	116.8	117.4	124.0	5.0	5.7
vi)	115	129.0	129.3	128.8	129.4	136.0	5.0	5.7
vii)	125	144.0	144.4	143.7	144.5	154.0	6.5	7.3
viii)	150	169.0	169.4	168.6	169.6	182.0	7.5	8.5
ix)	175	204.0	204.5	203.6	204.6	219.0	8.8	9.8
x)	200	229.0	229.5	228.5	229.8	247.0	10.0	11.2
xi)	250	284.0	284.5	283.4	284.8	302.0	12.5	14.0
xii)	300	334.0	334.6	333.3	335.0	356.0	14.5	16.2
xiii)	350	404.0	404.7	403.2	405.2	432.0	17.5	19.5
xiv)	400	454.0	454.8	453.1	455.3	483.0	19.5	21.7

Table 5 Dimensions of Medium Well Casing (CM) Pipes
(Clause 7.2.1)

Sl No.	Nominal Size DN	Mean Outer Diameter d_m		Outer Diameter at Any Point, d_o		Mean Outer Diameter Over Connection d_c	Wall Thickness e	
		Min	Max	Min	Max		Min	Max
		(3)	(4)	(5)	(6)		(8)	(9)
(i)	35	42.0	42.2	41.9	42.3	46.0	3.5	4.0
ii)	40	48.0	48.2	47.9	48.3	52.0	3.5	4.0
iii)	50	60.0	60.2	59.9	60.3	65.0	4.0	4.6
iv)	80	88.0	88.3	87.9	88.4	94.0	4.0	4.6
v)	100	113.0	113.3	112.9	113.4	120.0	5.0	5.7
vi)	115	125.0	125.3	124.9	125.4	132.0	5.0	5.7
vii)	125	140.0	140.4	139.9	140.5	150.0	6.5	7.3
viii)	150	165.0	165.4	164.6	165.6	178.0	7.5	8.5
ix)	175	200.0	200.5	199.6	200.6	215.0	8.8	9.8
x)	200	225.0	225.5	224.5	225.8	243.0	10.0	11.2
xi)	250	280.0	280.5	279.4	280.8	298.0	12.5	14.0
xii)	300	330.0	330.6	329.3	331.0	352.0	14.5	16.2
xiii)	350	400.0	400.7	399.2	401.2	428.0	17.5	19.5
xiv)	400	450.0	450.8	449.1	451.3	479.0	19.5	21.7





NEWTON PIPE INDUSTRY

IRRIGATION EQUIPMENT -EMITTING PIPES SYSTEM

STANDARD IS: 13488:2008

LICENCE NO: 5300058395

ABOUT:

We are a trusted manufacturer and supplier of emitting pipe systems, designed for efficient and sustainable irrigation. Our products are engineered to deliver water directly to the roots of plants through a network of precision-perforated pipes, ensuring optimal moisture levels while reducing water wastage.

With years of experience in the irrigation industry, we focus on innovation, durability, and performance. Our emitting pipes are made from high-quality materials that resist clogging, withstand harsh weather, and provide consistent water distribution. Whether for agriculture, landscaping, or greenhouse cultivation, our solutions help farmers and gardeners maximize yield while conserving resources.

USED:

This pipe may be used:

- For Agricultural Irrigation Water Supply
- For Greenhouse Planting water supply

Benefit: - This Pipe used for many Benefit

- High Durability
- Non-Toxic & Safe
- Easy to install
- Don't wastage of Water
- Direct water supply to plant root
- Low Maintenance cost
- Cost Effective and Etc.

Our manufacturing of the Product under License:

- Unregulated / Uniformity Category –B/ Class -2
- Nominal Outside Diameter DN: 16mm

Dimension Chart and Picture Image of the Product

Table 1 Dimensions of Polyethylene Emitting Pipes
(Clauses 6.1.1, 8.3.1.1 and 8.3.2.1)

All dimensions in millimetres.

Sl No.	Nominal Diameter	Inside Diameter	Tolerance on I.D.	Wall Thickness			
				Class 1 0.100 MPa	Class 2 0.125 MPa	Class 3 0.250 MPa	Class 4 0.400 MPa
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
i)	12	10.50	+ 0.20 - 0.00	0.4 - 0.5	0.6 - 0.7	0.8 - 1.0	1.1 - 1.3
ii)	16	14.20	+ 0.20 - 0.00	0.5 - 0.6	0.7 - 0.9	1.0 - 1.2	1.3 - 1.5
iii)	20	18.00	+ 0.20 - 0.00	0.7 - 0.8	0.9 - 1.1	1.2 - 1.4	1.5 - 1.7
iv)	25	22.60	+ 0.20 - 0.00	0.9 - 1.1	1.2 - 1.4	1.5 - 1.7	1.8 - 2.2

NOTE — The wall thicknesses of pipes are based on safe working stress of 2.5 MPa at 20°C. Occasional rise in temperature has no deleterious effect on the life and working pressure of the pipe.

Clamping, such as bands and screws, shall be of non-corrosive materials or of materials protected against corrosion.



Manufacturing Address: - Vill: Meyar, P.O:- Kairy – Meyar, P.S:- Noorsarai, Dist:- Nalanda, Pin:- 803118 (Bihar)



NEWTON PIPE INDUSTRY

PLASTICS CRATES FOR FRUITS AND VEGETABLES

STANDARD IS: 15532:2004

LICENCE NO: 5300077096

ABOUT:

We are committed to delivering smart, durable, and hygienic storage and transportation solutions for the agricultural and food supply industries. Our plastic crates for fruits and vegetables are designed to meet the demanding needs of farmers, distributors, and retailers by offering optimal protection, ventilation, and handling efficiency.

Manufactured using high-quality, food-grade, and UV-stabilized plastic, our crates are reusable, lightweight, and resistant to moisture, chemicals, and impact. Whether it's for harvesting in the field, transporting to markets, or displaying fresh produce on shelves, our crates help maintain the quality and freshness of fruits and vegetables throughout the supply chain.

USED:

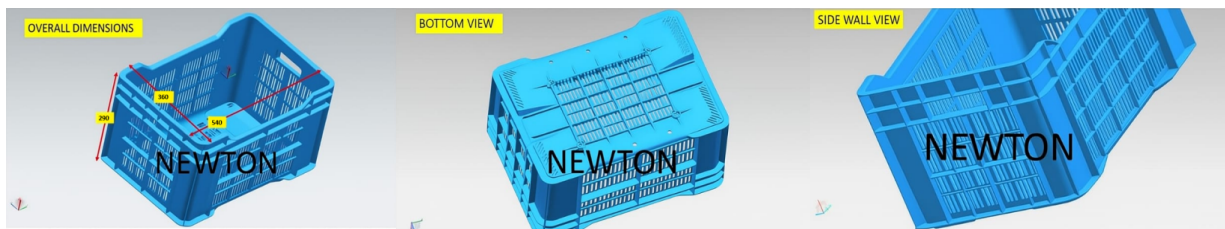
- **Harvesting in Farms**
 - Used by farmers to collect and transport freshly picked fruits and vegetables from the field.
- **Storage in Warehouses**
 - Ideal for short- or long-term storage in cold storage facilities, pack houses, and warehouses.
- **Transportation**
 - Used to safely move produce from farms to markets, retailers, or processing units without damage.
- **Display in Retail Shops and Supermarkets**
 - Often used in vegetable shops and supermarkets for organized, clean, and attractive display of produce.
- **Sorting and Grading**
 - Used during post-harvest processes for sorting, grading, and packing different categories of fruits and vegetables.
- **Export and Bulk Handling**
 - Suitable for transporting bulk produce for local markets or export, due to standardized sizing and stackability.

Benefit:

- **Durable and Long-Lasting**
 - Made from high-strength plastic that resists breakage, wear, and tear from rough handling.
- **Hygienic and Food-Safe**
 - Manufactured using **food-grade plastic** that does not contaminate or react with fresh produce.
- **Ventilated Design**
 - Perforated sides and bottoms ensure proper airflow, helping to keep fruits and vegetables fresh and dry.
- **Reusable and Eco-Friendly**
 - Unlike cardboard or wooden boxes, plastic crates can be reused for many years, reducing packaging waste.
- **Stackable and Space-Saving**
 - Designed to stack safely on top of each other, saving space during storage and transport.
- **Lightweight but Strong**
 - Easy to carry and handle, yet strong enough to hold heavy loads without collapsing.
- **Cost-Effective Over Time**
 - Higher initial cost compared to disposable packaging, but long-term savings due to reusability and durability.
- **Weather and Chemical Resistant**
 - Resistant to moisture, UV rays, and many chemicals, making them suitable for outdoor and cold storage use.

Our manufacturing of the Product under License:

- Plastic Crates for Fruits and Vegetables, Material HDPE Design: Rigid, solid Shape Cuboidal (solid) Nominal Dimensions 540 mm x 360 mm x 290 mm Nominal capacity 20 kg



Manufacturing Address: - Vill: Meyar, P.O:- Kairy – Meyar, P.S:- Noorsarai, Dist:- Nalanda, Pin:- 803118 (Bihar)



NEWTON PIPE INDUSTRY

IRRIGATION EQUIPMENT-QUICK COUPLED POLYETHYLENE PIPES AND FITTINGS FOR SPRINKLER IRRIGATION SYSTEMS

STANDARD IS: 17425:2020

ABOUT:

Our sprinkler pipes are available in multiple sizes and specifications to suit agricultural fields, gardens, lawns, and industrial landscaping needs. Precision engineering ensures consistent water pressure and coverage, helping to conserve water while promoting healthy plant growth.

With a commitment to quality, innovation, and customer satisfaction, we aim to deliver reliable irrigation solutions that increase productivity and sustainability. Whether for small-scale farming or large commercial projects, our sprinkler pipes are trusted for their efficiency, ease of installation, and cost-effectiveness.

USED: This pipe may be used:

- Irrigation of agricultural crops such as vegetables, fruits, and grains.
- Watering gardens, lawns, and parks.
- Irrigating sports grounds, golf courses, and playgrounds.
- Dust suppression in construction sites and mines.
- Cooling and maintaining moisture in nurseries and greenhouses.

Benefit: - This Pipe used for many Benefit

- Uniform Water Distribution: Delivers water evenly to all plants, ensuring healthy growth.
- Water Saving: Sprays only the required amount of water, reducing wastage.
- Time & Labor Saving: Reduces the need for manual watering.
- Durable & Weather-Resistant: Made from materials that resist corrosion, sunlight, and pressure.
- Versatile & Easy to Install: Suitable for both small gardens and large farms.

Our manufacturing of the Product under License:

- PE63 DN 75mm Class 1, Pressure rating 2.5 kg/cm²
- PE63 DN63mm & 75mm Class 2, Pressure rating 3.2 kg/cm²

Dimension Chart and Picture Image of the Product

Table 3 Dimension of Polyethylene Pipes for Sprinkler Irrigation
All Dimensions in millimeters

[Table 2 (i)]

Nominal Diameter	Outside Diameter	Nominal Tolerance on Outside Diameter	Ovality	Wall Thickness (e)							
				Class - 1		Class - 2		Class - 3		Class - 4	
				(0.25 Mpa)		(0.32 Mpa)		(0.40 Mpa)		(0.60 Mpa)	
				Min	Max	Min	Max	Min	Max	Min	Max
40	40.0	+ 0.4	1.40	-	-	-	-	-	-	2.30	2.80
50	50.0	+ 0.5	1.40	-	-	-	-	2.00	2.40	2.90	3.40
63	63.0	+ 0.6	1.50	-	-	2.00	2.40	2.50	2.90	3.80	4.40
75	75.0	+ 0.7	1.60	2.00	2.40	2.50	2.90	3.00	3.40	4.50	5.20
90	90.0	+ 0.8	1.80	2.20	2.60	2.90	3.40	3.50	4.10	5.30	6.10
110	110.0	+ 1.0	2.20	2.70	3.20	3.40	3.90	4.20	4.80	6.50	7.40
125	125.0	+ 1.2	2.50	3.10	3.60	3.80	4.50	4.80	5.50	7.40	8.30
140	140.0	+ 1.3	2.80	3.50	4.10	4.30	5.00	5.40	6.10	8.30	9.30
160	160.0	+ 1.5	3.20	3.90	4.50	4.90	5.60	6.20	7.00	9.40	10.60
180	180.0	+ 1.7	3.60	4.40	5.00	5.50	6.30	6.90	7.80	10.60	11.90
200	200.0	+ 1.8	4.00	4.90	5.60	6.10	7.00	7.70	8.70	11.80	13.20

NOTES

- 1 Wall thickness of pipes are based on safe working stress of 5.0 MPa at 35 °C for transport of cold water at atmospheric temperature. Occasional rise in temperature has no deleterious effects on the life and working pressure of the pipes.
- 2 Normal working conditions of pipes shall be operation of maximum 3000 pumping hours per year at the pressure rating of pipe and at water temperature up to 35 °C. If these working conditions are exceeded the next higher class of pipe with greater wall thickness should be chosen. With these working conditions the life expectancy of the pipe is 15 years.



Manufacturing Address: - Vill: Meyar, P.O:- Kairy – Meyar, P.S:- Noorsarai, Dist:- Nalanda, Pin:- 803118 (Bihar)



NEWTON PIPE INDUSTRY

POLYPROPYLENE (PP) DUSTBIN & CHAIR

ABOUT:

Welcome to NEWTON PIPE INDUSTRY, a trusted manufacturer and supplier of high-quality Polypropylene (PP) Dustbins and Chairs. With a focus on durability, design, and sustainability, we deliver practical plastic solutions for homes, offices, industries, institutions, and public spaces.

We believe in creating products that combine functionality, affordability, and environmental responsibility. Join us in building cleaner spaces and more comfortable environments.

PP Dustbin, Uses:

- **Home waste collection** (kitchen, bathroom, garden)
- **Offices and commercial spaces**
- **Hospitals and clinics** (for bio and general waste)
- **Public spaces** (parks, streets, stations)
- **Industrial waste management**

Benefits:

- **Durable:** Resistant to cracking, denting, and impact
- **Lightweight:** Easy to move and handle
- **Weather-resistant:** Ideal for indoor and outdoor use
- **Hygienic:** Easy to clean and maintain
- **Recyclable:** Made from eco-friendly polypropylene
- **Variety:** Comes in different sizes, shapes, and lid types (swing, pedal, open top)



PP Chair, Uses:

- **Homes** (dining, balcony, study)
- **Offices & waiting areas**
- **Schools, colleges, and coaching centers**
- **Events and functions** (indoor/outdoor)
- **Cafeterias, restaurants, and public seating**

Benefits:

- **Strong yet lightweight:** Easy to move but built to last
- **Weather-proof:** Suitable for outdoor use
- **Low maintenance:** Easy to clean, doesn't rust or corrode
- **Stackable:** Saves space when not in use
- **Cost-effective:** Affordable without compromising quality
- **Stylish options:** Available in many colors and designs

Our manufacturing of the Product:

- PP Dustbin
 - 10 Liter (GREEN & BLUE COLOUR)
 - 20 Liter (GREEN & BLUE COLOUR)
 - 40 Liter (GREEN & BLUE COLOUR)
 - 60 Liter (GREEN & BLUE COLOUR)
 - 120 Liter (GREEN & BLUE COLOUR)



Manufacturing Address: - Vill: Meyar, P.O:- Kairy – Meyar, P.S:- Noorsarai, Disti:- Nalanda, Pin:- 803118 (Bihar)