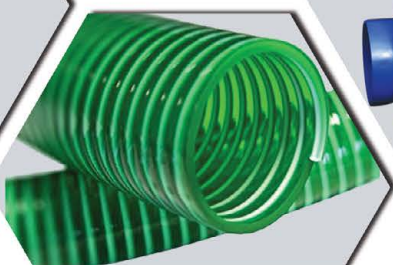
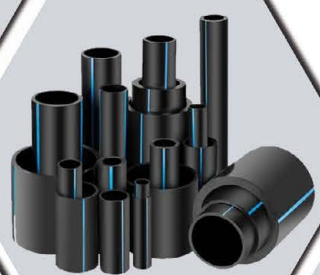




G.K. Plastics Pvt. Ltd.

An ISO 9001:2008 Certified Company



**Manufacturer of
Complete Piping Solution for Water Supply**



About Us

About Plastic Piping Solutions

Advantages of Plastic Piping Solutions

The Company's Factory Infrastructure

Product Range Description

Quality Policy & Assurance

Future of the Company

Contact Us



Introduction

Established in 1983, G. K. Plastics Pvt. Ltd. is a trailblazer in the manufacturing of uPVC pipes in the state of West Bengal. The company made its first major leap in 1983 with the acquisition of its uPVC pipe plant located at Rajhat village, on SH-13 (Delhi Road), in Hooghly district. Since then, the company has never looked back, growing steadily in capacity, product range, and market presence. Branded under the premium name “I-GRO”, the company’s identity symbolizes the spirit of growth, especially through irrigation, aligning perfectly with its motto: “Your Growth Partner.”

Starting with a modest installed capacity of 180 tons per annum, we now boasts a robust manufacturing capacity of 18,000 tons per annum in the uPVC Pipe division. The product range has also seen significant diversification—from manufacturing pipes between 16mm and 110mm diameter initially, the company now produces pipes up to 315mm in diameter, offering more than 350 varieties of pipes and fittings.

Expansion into New Business Verticals:

- In 2020, the company diversified into Garden Hose Pipes, enhancing its presence in the consumer-grade hose segment.
- In 2021, G. K. Plastics launched its HDPE pipes division with an impressive installed capacity of 8,000 tons per annum, expanding its footprint into industrial and infrastructure-grade piping solutions.
- The company also introduced Suction Hose & Braided Hose Pipes in the year 2024, catering to agricultural and water management needs with durable and efficient piping solutions.
- Most recently, in 2025, the company has ventured into Gas/MDPE pipes, expanding into the critical domain of gas distribution with high safety and performance standards.

Today, we stand as a multi-product manufacturer with a strong presence across Eastern and North eastern part of India, known for innovation, reliability, and a commitment to quality.

IS:12818



IS:4985



IS:10124
(PART-2 TO PART-10)



IS:13592



IS:14182



IS:4984



IS: 14885



CM/L - 5357369 CM/L - 5323958 CM/L - 5321247 CM/L - 5588994 CM/L - 5100039175 CM/L - 5500107194 CM/L - 5500170205 ASTM-D1785

Introduction to Pipes for Modern Applications

Pipes are an integral part of modern infrastructure, making the movement of water, gases, and other fluids seamless and efficient. Among the wide range of piping solutions available today, uPVC pipes, HDPE pipes, Suction Hose, Garden Hose, Braided Hose and Gas pipes have emerged as indispensable products across residential, commercial, agricultural, and industrial sectors.

uPVC Pipes

In today's world, uPVC pipes (Unplasticized Polyvinyl Chloride) need no introduction. Having been introduced over 65 years ago, uPVC pipes have grown into a global industry with an annual production of around 50 million tons. Known for their durability, chemical resistance, and versatility, uPVC pipes are widely used for:

- Large Diameter Drainage Lines (up to 1500mm)
- High-Tensile Applications for deep mining (up to 5000 meters)
- High-Pressure Supply of water, air, gases, and chemicals
- Everyday Applications:
 - Water Supply Systems
 - Electrical Conduits
 - Bore-Well Casing and Screen Pipes
 - Plumbing Systems
 - SWR (Soil, Waste, and Rainwater) Systems
 - Column Pipes for Submersible Pumps



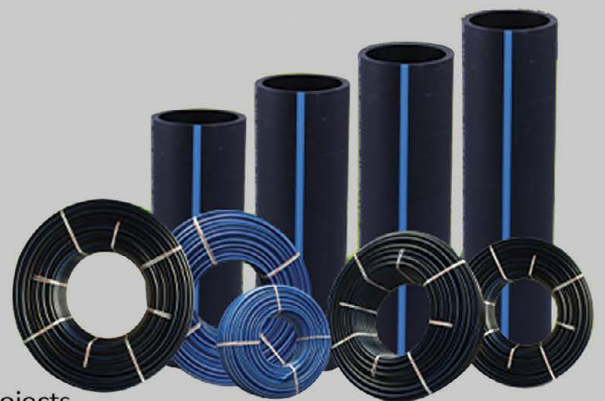
uPVC pipes are capable of conveying solids, liquids, and gases, making them a trusted solution across a wide variety of sectors.

HDPE Pipes

HDPE pipes (High-Density Polyethylene) are known for their exceptional strength, flexibility, and corrosion resistance. They are ideal for high-pressure water delivery systems, gas distribution, and chemical transport. Key features include:

- High impact and tensile strength
- Excellent resistance to chemicals and UV radiation
- Suitable for underground piping and trenchless installation
- Applications:
 - Potable water supply
 - Gas distribution networks
 - Irrigation systems
 - Industrial effluent discharge

HDPE pipes are lightweight, easy to install, and highly durable, making them a top choice for both rural and urban infrastructure projects.



Suction Pipes

Suction pipes are designed primarily for suction and delivery of liquids under pressure or vacuum conditions. Manufactured with flexible yet sturdy material, suction pipes are widely used in:

- Water lifting operations
- Agriculture (irrigation and dewatering)
- Industrial fluid transfer
- Construction sites for pumping applications



Garden Hose Pipes

Garden hose pipes are lightweight, flexible pipes used mainly for domestic watering needs.

They are a household essential, known for:

- Ease of handling and storage
- Resistance to weather and light-duty abrasion
- Multiple color options and sizes

Applications:

- o Home gardens and lawns
- o Small-scale agricultural use
- o Cleaning and general maintenance tasks

Modern garden pipes are often reinforced with high-quality plastics to enhance their life span and usability.



MDPE Pipe

MDPE (Medium-Density Polyethylene) pipe is a reliable and durable solution, widely recognized for its exceptional performance in gas distribution systems. Its proven track record of longevity and operational efficiency makes it a preferred choice in various utility applications.

These pipes are typically color-coded for specific uses—blue for water, orange for gas, and yellow for petrol—ensuring easy identification and safety compliance.

MDPE gas pipes are extensively used in gas distribution networks due to their inherent advantages, including:

- Corrosion resistance
- High flexibility
- Excellent crack resistance
- Superior toughness

These properties make MDPE an ideal material for ensuring a safe, long-lasting, and low-maintenance gas piping infrastructure.

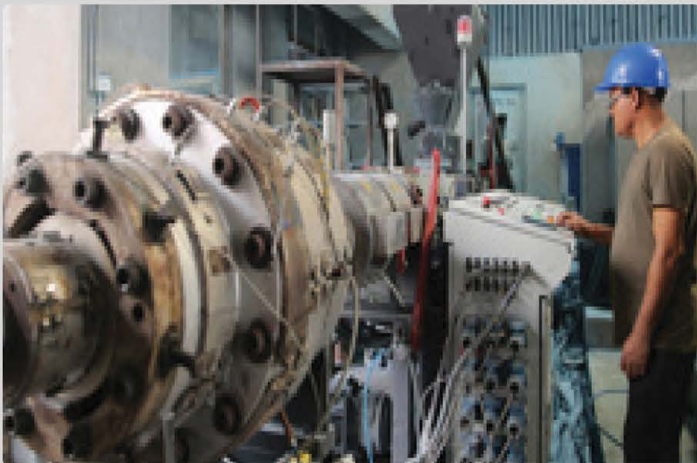
- o Cleaning and general maintenance tasks

Modern garden pipes are often reinforced with high-quality plastics to enhance their life span and usability.



Infrastructure

1. **Strategic Location** : The factory is ideally located on State Highway-13, just 40 km from Kolkata, the only metropolitan city in eastern India. This provides excellent connectivity and proximity to both urban and rural markets.
2. **Spacious Facility** The factory stands on a sprawling 83,000 sq. ft. premises, featuring a 40,000 sq. ft. factory shed. This ample space allows for the entire manufacturing process to be carried out in-house, ensuring efficiency and quality control.
3. **Advanced Manufacturing Setup** The facility is equipped with thirteen state-of-the-art extrusion lines for pipe production. Additionally, all necessary downstream equipment for post-extrusion processes is integrated within the same premises, enabling streamlined operations and rapid turnaround to meet customer requirements efficiently.
4. **State-of-the-Art Laboratory** An in-house laboratory, equipped with the latest product testing instruments and managed.
5. **Uninterrupted Power Supply** The factory is equipped with generators and UPS systems as reliable power backup solutions, ensuring continuous production without interruptions.
6. **Skilled Management and Market Focus** The plant office is staffed with qualified professionals dedicated to delivering quality products at affordable prices. The team constantly works on product innovation and development to cater to evolving customer needs and market demands.



Product Range Specifications with Their Specific Applications



1. Plumbing & Casing Pipes - ASTM-D1785 :

Blue & White Pipes made under this American Standard along-with matching fittings as sockets, reducing sockets, reducing sockets, elbows etc. are used specifically in plumbing, as bore-well casings, for water & liquid chemical supplies and hanging of tube-well cylinders from hand pumps. Pipes manufactured to match this specification are threaded on both ends to join pipes with matching fittings to form a pipe-line system for supplying there quired fluid to the discharged point. These pipes are made in three pressure ratings, i.e. Schedule-40 (Light Duty), Schedule-80 (Medium Duty) and schedule-120 (Heavy Duty). Dimensional specifications along-with internal water pressure ratings for each for each size are as followed :-

uPVC Pipes made as per ASTM-D1785

Nominal Inside Diameter		Outer Diameter	Schedule-40 Light Duty			Schedule-80 Medium Duty			Schedule-120 Heavy Duty		
			Minimum Wall Thickness	Maximum Wall Thickness	Pressure Rating Un-Threaded	Minimum Wall Thickness	Maximum Wall Thickness	Pressure Rating Un-Threaded	Minimum Wall Thickness	Maximum Wall Thickness	Pressure Rating Un-Threaded
Inch	MM	MM	MM	MM	Bar	MM	MM	Bar	MM	MM	Bar
1/2"	15	21.34	2.77	3.28	41.00	3.73	4.24	59.00	4.32	4.83	70.00
3/4"	20	26.67	2.87	3.38	33.00	3.91	4.42	48.00	4.32	4.83	53.00
1"	25	33.4	3.38	3.89	31.00	4.55	5.08	43.00	5.08	5.69	50.00
1.1/4"	32	42.16	3.56	4.07	25.00	4.85	5.43	36.00	5.46	6.12	41.00
1.1/2"	40	48.26	3.68	4.19	23.00	5.08	5.69	32.00	5.72	6.40	37.00
2"	50	60.32	3.91	4.42	19.00	5.54	6.20	28.00	6.35	7.11	32.00
2.1/2"	65	73.02	5.16	5.77	21.00	7.01	7.85	29.00	7.62	8.53	32.00
3"	80	88.90	5.49	6.15	28.00	7.62	8.53	25.00	8.89	9.96	30.00
3.1/2"	90	101.60	5.74	6.42	16.00	8.08	9.04	24.00	8.89	9.96	26.00
5"	125	141.3	6.55	7.34	13.00	9.52	10.66	20.00	12.70	14.22	27.00
6"	150	168.28	7.11	7.97	12.00	10.97	12.29	19.00	14.27	15.97	25.00
8"	200	219.08	8.18	9.17	11.00	12.70	14.22	17.00	18.24	20.42	26.00
10"	250	273.05	9.27	10.39	9.70	15.06	16.86	16.00	21.41	23.97	25.00
12"	300	323.85	10.31	11.55	9.00	17.45	19.53	16.00	25.40	28.45	23.00

2. Casing & Screen Pipes-IS : 12818/2010 :

Blue Pipes & Screens made under this Indian Standard are used in bore-wells as casings and screens. These pipes have very good tensile strength as they are hanged up-to a depth of 450 meters(1475 feet) in bore-wells. The screen pipes provide excellent water screening (Filtering) while drawing ground water into the casing of the well. This system helps in drawing clean water from depths of the bore-well to the surface. Pipes are threaded according to the standards prescribed. Pipes are made in three depth ranges of casings and ribbed & plain screens, i.e. up-to 80 meters (260 feet) for shallow bore-well (CS), up-to 250 meters (820 feet) for medium deep bore-wells (CM) & (RMS) & (PMS) and up-to 450 meters (1475 feet) for deep bore-wells (CD) & (RDS). Screen Pipes (filters) are off two kinds, i.e. Plain Screens (with horizontal slots on plain pipes) and Ribbed Screens (with horizontal slots on ribbed pipes). Slot widths are made on screens according to the grain thickness of the soil or the sand found in the bore-well. Minimum slot width is 0.2 mm while the maximum is up-to 2.0 mm. The company also makes vertical slots on the plain pipes are starting from 80 mm nominal diameter. Dimensional specifications along-with depth of casing ratings for each size areas followed :-



uPVC Pipes & Ribbed Screens made as per IS : 12818 / 2010

Nominal Inside Diameter		Outside Inside Diameter	Casing Shallow (CS) upto 80mtrs Depth		Casing Medium (CS) upto 250mtrs Depth		Casing Deep (CD) upto 450mtrs Depth		Medium Well Screen (Ribbed) upto 250mtrs Depth		Deep Well Screen (Ribbed) upto 450mtrs Depth	
			Minimum Wall Thickness	Maximum Wall Thickness	Minimum Wall Thickness	Maximum Wall Thickness	Minimum Wall Thickness	Maximum Wall Thickness	Minimum Wall Thickness	Maximum Wall Thickness	Minimum Wall Thickness	Maximum Wall Thickness
			MM	MM	MM	MM	MM	MM	MM	MM	MM	MM
1.1/4"	35	42.00	-	-	3.50	4.00	-	-	3.50	4.00	-	-
1.1/2"	40	48.00	-	-	3.50	4.00	-	-	3.50	4.00	-	-
2"	50	60.00	-	-	4.00	4.60	-	-	4.00	4.60	-	-
3"	80	88.00	-	-	4.00	4.60	-	-	4.00	4.60	-	-
4"	100	113.00	-	-	5.00	5.70	7.00	7.90	5.00	5.70	7.00	4.0
4.1/2"	115	125.00	-	-	5.00	5.70	7.50	8.50	5.00	5.70	7.50	4.0
5"	125	140.00	-	-	6.50	7.30	8.00	9.00	6.50	7.30	8.00	4.0
6"	150	165.00	5.70	6.50	7.50	8.50	9.50	10.70	7.50	8.50	9.50	-
6.1/2"	165	180.00	6.40	7.20	8.20	9.20	10.50	11.70	-	-	-	-
7"	175	200.00	7.00	7.80	8.80	9.80	11.80	13.60	8.80	9.80	11.80	13.60
8"	200	225.00	7.60	8.80	10.00	11.20	13.00	14.80	10.00	11.20	13.00	14.80
10"	250	280.00	9.60	11.00	12.50	14.00	16.00	17.60	12.50	14.00	16.00	17.60
12"	300	330.00	11.20	13.30	14.50	16.20	19.00	21.00	-	-	-	-

3. Potable Water Supply Pipes & Fittings - IS : 4985/2000 & IS : 10124/2009 (Part 1 to 10) :

Grey and Fittings made under these Indian Standards are used in supplying potable water and other liquids from one point to another points. In some places through not specified in the standard, these pipes are used in bore-wells as casings and screens. Pipes are laid in fields to supply water for irrigation purpose. Very long supply lines can be designed with these pipes and fittings. Fittings such as coupler, bend, elbow, tee, reducing socket, reducing tee, socket plug, end cup, flanges and thread-adapters are made to match with the pipes. These pipes withstand internal hydrostatic pressure up-to 12.5 kgf/cm². Pipes are made in 6 pressure ratings, i.e. 2.5kgf/cm², 4.0kgf/cm², 6.0kgf/cm², 8.0kgf/cm², 10.0kgf/cm² and 12.5kgf/cm². Dimensional specifications along-with pressure ratings for each size are as followed :-

Product Range Specifications with Their Specific Applications



uPVC Pipes made as per IS : 4985/2000												
Outer Diameter	Class 1 2.5 kg/cm ²		Class 2 4 kg/cm ²		Class 3 6 kg/cm ²		Class 4 8 kg/cm ²		Class 5 10 kg/cm ²		Class 6 12.5 kg/cm ²	
	Minimum Wall Thickness	Maximum Wall Thickness	Minimum Wall Thickness	Maximum Wall Thickness	Minimum Wall Thickness	Maximum Wall Thickness	Minimum Wall Thickness	Maximum Wall Thickness	Minimum Wall Thickness	Maximum Wall Thickness	Minimum Wall Thickness	Maximum Wall Thickness
	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM
40 MM	-	-	-	-	1.40	1.80	1.80	2.20	2.20	2.70	2.80	3.30
50 MM	-	-	-	-	1.70	2.10	2.3	2.80	2.80	3.30	3.40	4.00
63 MM	-	-	1.50	1.90	2.20	2.70	2.80	3.30	3.50	4.10	4.30	5.00
75 MM	-	-	1.80	2.20	2.60	3.10	3.40	4.00	4.20	4.90	5.10	5.90
90 MM	1.30	1.70	2.10	2.60	3.10	3.70	4.00	4.60	5.00	5.70	6.10	7.10
110 MM	1.60	2.00	2.50	3.00	3.70	4.30	4.90	5.60	6.10	7.10	7.50	8.70
125 MM	1.80	2.20	2.90	3.40	4.30	5.00	5.60	6.40	6.90	8.00	8.50	9.80
140 MM	2.00	2.40	3.20	3.80	4.80	5.50	6.30	7.30	7.70	8.90	9.50	11.00
160 MM	2.30	2.80	3.70	4.30	5.40	6.20	7.20	8.30	8.80	10.20	10.90	12.60
180 MM	2.60	3.10	4.20	4.90	6.10	7.10	8.00	9.20	9.90	11.40	12.20	14.10
200 MM	2.90	3.40	4.60	5.30	6.80	7.90	8.90	10.30	11.00	12.70	13.60	15.70
225 MM	3.30	3.90	5.20	6.00	7.60	8.80	10.00	11.50	12.40	14.30	15.30	17.60
250 MM	3.60	4.20	5.70	6.50	8.50	9.80	11.20	12.90	13.80	15.90	17.00	19.60
280 MM	4.10	4.80	6.40	7.40	9.50	11.00	12.50	14.40	15.40	17.80	19.00	21.90
315 MM	4.60	5.30	7.20	8.30	10.70	12.40	14.00	16.10	17.30	19.90	21.40	24.70

4. SWR Pipes & Fittings - IS : 13592/2013 & IS : 14735 :

Grey Pipes made under this Indian Standard are used for discharging of soil waste and rain water from buildings. These pipes along-with molded fittings which are specially made to fit with these pipes from a critical part of all kinds of buildings which are being constructed now a days. These pipes have "O" Ring type sockets on their ends to self-fit with another pipe with the help of an "O" Ring which works as a sealing ring . They form a complete sanitary discharge system of a modern building . As the pipes are very light, their installation is very easy. Dimensional specifications along-with specific application.



uPVC SWR Pipes made as per IS : 13592/2013		
SIZE	Minimum Wall Thickness	Maximum Wall Thickness
	MM	MM
Type -A-Rain Water		
75 MM	1.80	2.20
110 MM	2.20	2.70
160 MM	3.20	3.80
Type -B-Soil & Waste		
75 MM	3.20	3.80
110 MM	3.20	3.80

uPVC SWR Pipes made as per IS : 14735			
Item	75 MM	110MM	160MM
Coupler	√	√	×
Plain Bend 45°	√	√	×
Plain Bend 87.5°	√	√	√
Door Bend 87.5°	√	√	√
Plain Tee	√	√	√
Door Tee	√	√	√
Plain Cross Tee	√	√	×
Door Cross Tee	√	√	×
Plain Yee	√	√	×
Door Yee	√	√	×
Plain Double Yee	√	√	×
Door Double Yee	√	√	×
Cleaning Pipe	√	√	×
Pipe Clip	√	√	√
Vent Cowl	√	√	√
Door Cap	√	√	×
Socket Plug	√	√	×
"O" Rubber Ring		√	
Reducing Socket 110mm*75mm		√	
Reducing Socket 160mm*110mm		√	
P-Trap 110mm*110mm		√	
P-Trap 125mm*110mm with W.C. Ring		√	
S-Trap 110mm*110mm		√	
S-Trap 125mm*110mm with W.C. Ring		√	
3" Nahani Trap with 4" Round Jali		√	

5. Column Pipes :

Column Pipes are a recent development. These pipes are used as riser mains from bore-well. Column Pipes have very high tensile strength to hold the submersible pumps joined with them in the bore-well. Column pipes have come as a boon for domestic small diameter bore-wells as they reduce the total cost of a bore-well drastically. Column pipes are made in small diameter starting from 1" to big diameter of 4 ". Super Heavy Duty Column Pipes can hold submersible pumps upto a depth of 1000 feet. Dimensional specifications along-with specific length of each size column pipe size are as followed :-



uPVC Submersible Pump and Cylinder Hanging Column Pipes						
Item	COUPLER		SIZE	OUTSIDE DIAMETER	BELLED END SYSTEM	COUPLER SYSTEM
GREEN LINE UPTO 50 METER DEPTH	ORANGE LINE UPTO 100 METER DEPTH	PURPLE LINE UPTO 150 METER DEPTH	1"	33.30	✓	✓
			1.1/4"	42.00	✓	✓
			1.1/2"	48.10	✓	✓
			2"	60.20	×	✓
			2.1/2"	75.00	×	✓
			3"	88.00	×	✓
			4"	113.00	×	✓

6. Solvent Cement-IS: 14182/1994 :

uPVC Pipes are joined by applying a thin layer of solvent cement on both male and female side after cleaning and roughening the surface by scrubbing with sand paper. Solvent Cement first softens the surface and then solidifies into tough bond.

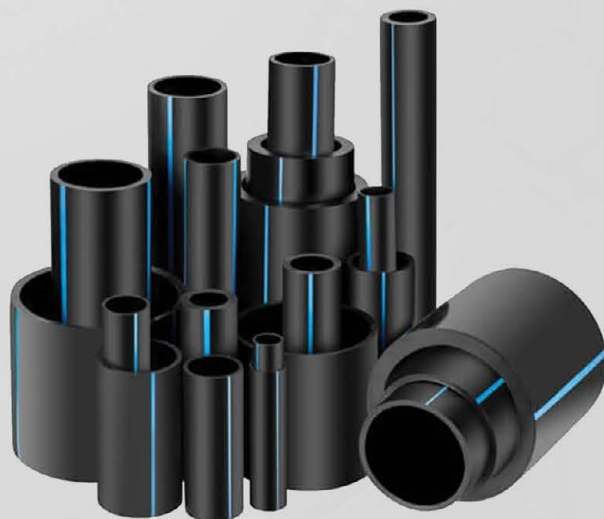
PVC Solvent Cement made as per IS:14182/1994.					
Packing=)	500 ml	500 ml	5 ltr	10 ltr	50 ltr
Heavy Body	✓	✓	✓	✓	✓
Medium Body	✓	✓	✓	✓	✓



7. HDPE Pipes :

G K Plastics Pvt Ltd manufactures a wide range of Polyethylene pipes, High Density (HDPE) conforming to various standards viz., BIS, BS, DIN & ISO to name a few. (HDPE) is strongly resistant to stress cracking and has low creep-rupture properties. It comes with excellent insulation properties over a wide range of frequencies and is not chemically active. These pipes are one of the two largest thermoplastic pipelines available and by far the most versatile. These pipes have a wide variety of application ranging from Drinking water supply systems, Electrical Conduit System, Sewerage pipe system, Ducting system, Oil and Gas supply systems.

Polyethylene is a thermoplastic polymer consisting of long chains of ethylene or ethane. It is a wax-like thermoplastic with a density less than the density of water. The only two additives added to polyethylene are Carbon Black, within the range limit of 2-3%, to add reinforcement and increase polyethylene's weathering properties and trace amounts of antioxidants. The Pipes & Fittings are offered in PE 63, PE 80 and PE 100 grades, compliance to IS-4984. Dimensional specifications along with pressure ratings for each size are as follows



DIMENSIONS OF HDPE PIPES AS PER IS : 4984 : 2016

DIMENSIONS OF HDPE PIPES AS PER IS : 4984 : 2016																							
Grade of Material				PIPE SERIES																			
				SDR 41		SDR 33		SDR 26		SDR 21		SDR 17		SDR 13.6		SDR 11		SDR 9		SDR 7.4		SDR 6	
PE 63				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		-	
Size	OD (mm)		Ovality	W/T (MM)		W/T (MM)		W/T (MM)		W/T (MM)		W/T (MM)		W/T (MM)		W/T (MM)		W/T (MM)		W/T (MM)		W/T (MM)	
	MIN	MAX	MM	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
16	16.0	16.3	1.2															1.8	2.1	2.2	2.5	2.7	3.1
20	20.0	20.3	1.2													1.9	2.2	2.3	2.6	2.7	3.1	3.4	3.8
25	25.0	25.3	1.2											1.9	2.2	2.3	2.6	2.8	3.2	3.4	3.8	4.2	4.7
32	32.0	32.3	1.3									1.9	2.2	2.4	2.7	2.9	3.3	3.6	4.1	4.4	4.9	5.4	6.0
40	40.0	40.4	1.4							1.9	2.2	2.4	2.7	3.0	3.4	3.7	4.2	4.5	5.1	5.4	6.0	6.7	7.5
50	50.0	50.4	1.4					2.0	2.3	2.4	2.7	3.0	3.4	3.7	4.2	4.6	5.2	5.6	6.3	6.8	7.6	8.4	9.3
63	63.0	63.4	1.5					2.5	2.9	3.0	3.4	3.7	4.2	4.7	5.3	5.8	6.5	7.0	7.8	8.6	9.6	10.5	11.7
75	75.0	75.5	1.6	1.9	2.2	2.3	2.6	2.9	3.3	3.6	4.1	4.5	5.1	5.6	6.3	6.9	7.7	8.4	9.3	10.2	11.3	12.5	13.9
90	90.0	90.6	1.8	2.2	2.5	2.8	3.2	3.5	4.0	4.3	4.8	5.3	5.9	6.7	7.5	8.2	9.1	10.0	11.1	12.2	13.5	15.0	16.6
110	110.0	110.7	2.2	2.7	3.1	3.4	3.8	4.3	4.8	5.3	6.0	6.5	7.3	8.1	9.0	10.0	11.1	12.3	13.6	14.9	16.5	18.4	20.3
125	125.0	125.8	2.5	3.1	3.5	3.8	4.3	4.8	5.4	6.0	6.7	7.4	8.2	9.2	10.2	11.4	12.7	13.9	15.4	16.9	18.7	20.9	23.1
140	140.0	140.9	2.8	3.5	4.0	4.3	4.8	5.4	6.0	6.7	7.5	8.3	9.2	10.3	11.4	12.8	14.2	15.6	17.3	19.0	21.0	23.4	25.8
160	160.0	161.0	3.2	3.9	4.4	4.9	5.5	6.2	6.9	7.7	8.6	9.5	10.6	11.8	13.1	14.6	16.2	17.8	19.7	21.7	24.0	26.7	29.5
180	180.0	181.1	3.6	4.4	4.9	5.5	6.2	7.0	7.8	8.6	9.6	10.6	11.8	13.3	14.7	16.4	18.1	20.0	22.1	24.4	26.9	30.0	33.1
200	200.0	201.2	4.0	4.9	5.5	6.1	6.8	7.7	8.6	9.6	10.7	11.8	13.1	14.7	16.3	18.2	20.1	22.3	24.6	27.1	29.9	33.4	36.8
225	225.0	226.4	4.5	5.5	6.2	6.9	7.7	8.7	9.7	10.8	12.0	13.3	14.7	16.6	18.4	20.5	22.7	25.0	27.6	30.5	33.7	37.5	41.4
250	250.0	251.5	5.0	6.1	6.8	7.6	8.5	9.7	10.8	12.0	13.3	14.7	16.3	18.4	20.3	22.8	25.2	27.8	30.7	33.8	37.3	41.7	46.0
280	280.0	281.7	9.8	6.9	7.7	8.5	9.5	10.8	12.0	13.4	14.8	16.5	18.3	20.6	22.8	25.5	28.2	31.2	34.4	37.9	41.8	46.7	51.5
315	315.0	316.9	11.1	7.7	8.6	9.6	10.7	12.2	13.5	15.0	16.6	18.6	20.6	23.2	25.6	28.7	31.7	35.0	38.6	42.6	47.0	52.5	57.9
355	355.0	357.2	12.5	8.7	9.7	10.8	12.0	13.7	15.2	16.9	18.7	20.9	23.1	26.1	28.8	32.3	35.6	39.5	43.6	48.0	52.9	59.2	65.2
400	400.0	402.4	14.0	9.8	10.9	12.2	13.5	15.4	17.0	19.1	21.1	23.6	26.1	29.5	32.6	36.4	40.1	44.5	49.1	54.1	59.6	66.7	73.5

8. MDPE Pipe

MDPE (Medium-Density Polyethylene) pipe is a reliable and durable solution, widely recognized for its exceptional performance in gas distribution systems. Its proven track record of longevity and operational efficiency makes it a preferred choice in various utility applications.

These pipes are typically color-coded for specific uses—blue for water, orange for gas, and yellow for petrol—ensuring easy identification and safety compliance.

MDPE gas pipes are extensively used in gas distribution networks due to their inherent advantages, including:

- Corrosion resistance
- High flexibility
- Excellent crack resistance
- Superior toughness

These properties make MDPE an ideal material for ensuring a safe, long-lasting, and low-maintenance gas piping infrastructure.

DIMENSION OF MDPE PIPE AS PER IS 14885										
SDR			SDR 17.6		SDR 13.6		SDR 11		SDR 9	
NOMINAL OD		QUALITY	WALL THICKNESS		WALL THICKNESS		WALL THICKNESS		WALL THICKNESS	
MIN. OD	MIN. OD	MAX	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
16	17.1	1.1	2.3	2.7	2.3	2.7	3.0	3.4	3.0	3.4
20	21.2	1.2	2.3	2.7	2.3	2.7	3.0	3.4	3.0	3.4
25	26.2	1.2	2.3	2.7	2.3	2.7	3.0	3.4	3.0	3.4
32	33.3	1.3	2.3	2.7	2.3	2.7	3.0	3.4	3.6	4.1
40	41.3	1.3	2.3	2.7	3.0	3.5	3.7	4.2	4.5	5.1
50	51.4	1.4	2.9	3.3	3.7	4.2	4.6	5.2	5.6	6.3
63	64.5	1.5	3.6	4.1	4.7	5.3	5.8	6.5	7.1	8.0
75	76.6	1.6	4.3	4.9	5.5	6.2	6.8	7.6	8.4	9.4
90	91.8	1.8	5.2	5.9	6.6	7.4	8.2	9.2	10.1	11.3
110	112.2	2.2	6.3	7.1	8.1	9.1	10.0	11.2	12.3	13.7
125	127.5	2.5	7.1	8.0	9.2	10.3	11.4	12.7	14.0	15.6
140	142.8	2.8	8.0	9.0	10.3	11.5	12.7	14.7	15.7	17.4
160	163.2	3.2	9.1	10.2	11.8	13.1	14.6	16.2	17.9	19.8
180	183.6	3.6	10.3	11.5	13.3	14.8	16.4	18.2	20.1	22.3
200	204.0	4	11.4	12.7	14.7	16.2	18.2	20.2	22.4	24.8
225	229.5	4.5	12.8	14.2	16.6	18.4	20.5	22.7	25.1	27.8
250	255.0	5	14.2	15.8	18.4	20.4	22.7	25.1	27.9	30.7
280	285.6	5.6	16.0	17.8	20.6	22.8	25.4	28.1	31.3	34.5
315	321.3	6.3	17.9	19.8	23.2	25.7	28.6	31.7	35.2	38.9

QUALITY POLICY & ASSURANCE :

G. K. Plastic Pvt. Ltd. has a uni-focal policy of providing the customer with best, latest and upgraded quality uPVC Pipes and accessories in the least possible time at competitive price. The company assures it's customer against any kind manufacturing defect.



Management :

With an experience and credentials of over Four decades, the management of the company has acquired an ISO 9001/2008 Certification for the management processes and practices followed at the company at all the steps of functioning. The company has a very experienced as well as young management structure with Shri Manish Bhattar, Director - Administration, Shri Anand Bhattar, Director - Production & Shri Mohit Bhattar, Director - Marketing are steering the company to new horizons. They have a team of technical & maintenance staff, administration staff, accountants, supervisors and sales personnel under them to ensure the smooth functioning of the organization.

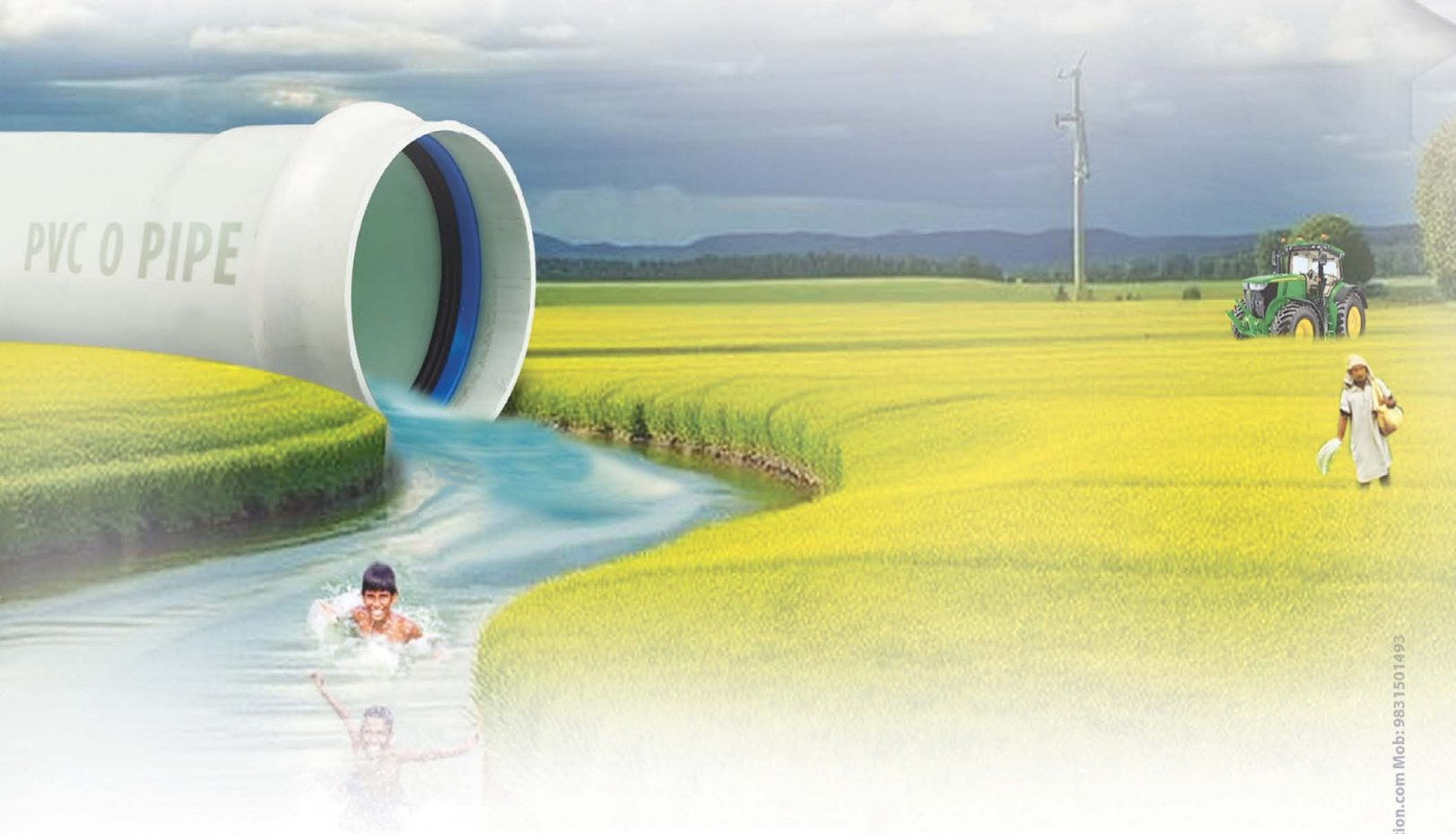
Product:

The company strives to serve its customers with best quality products and hence has acquired quality certifications for almost all of its products from the highest quality certification authority of the Government of India, that is, Bureau of Indian Standards(BIS). the company currently has been licensed to mark its pipes and fittings with ISI Mark under Seven IS Standards, namely

- a. IS:4985/2021 for uPVC Potable Water Supply Pipes.
- b. IS:10124/2009 for uPVC Fabricated Fittings used with Potable Water Supply Pipes.
- c. IS:12818/2010 for uPVC Casing & Screen Pipes for Borewells.
- d. IS:13592/2013 for uPVC SWR Pipes.
- e. IS:14182/1994 for PVC Solvent Cement.
- f. IS:4984/2016 for HDPE Pipes.
- g. IS:14885/2022 for MDPE/Gas Pipes.

Future of the Company with Respect to the Product & Market

- As technology continues to evolve, new applications for existing products are emerging. One such development is the growing demand for Oriented PVC (O-PVC) pipes. Recognizing this trend, the company is proactively preparing to introduce oPVC pipes into its product portfolio in a short span of time.
- The company is also strategically positioned to support key government initiatives and infrastructure projects, including the Jal Jeevan Mission, City Gas Distribution networks, and major irrigation redevelopment programs.
- Currently, the company operates with an installed production capacity of 18,000 metric tons per annum, which it aims to fully optimize during the financial year 2025–2026. Leveraging its existing plant infrastructure, the company plans to expand its capacity to 25,000 metric tons per annum in the near future.



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