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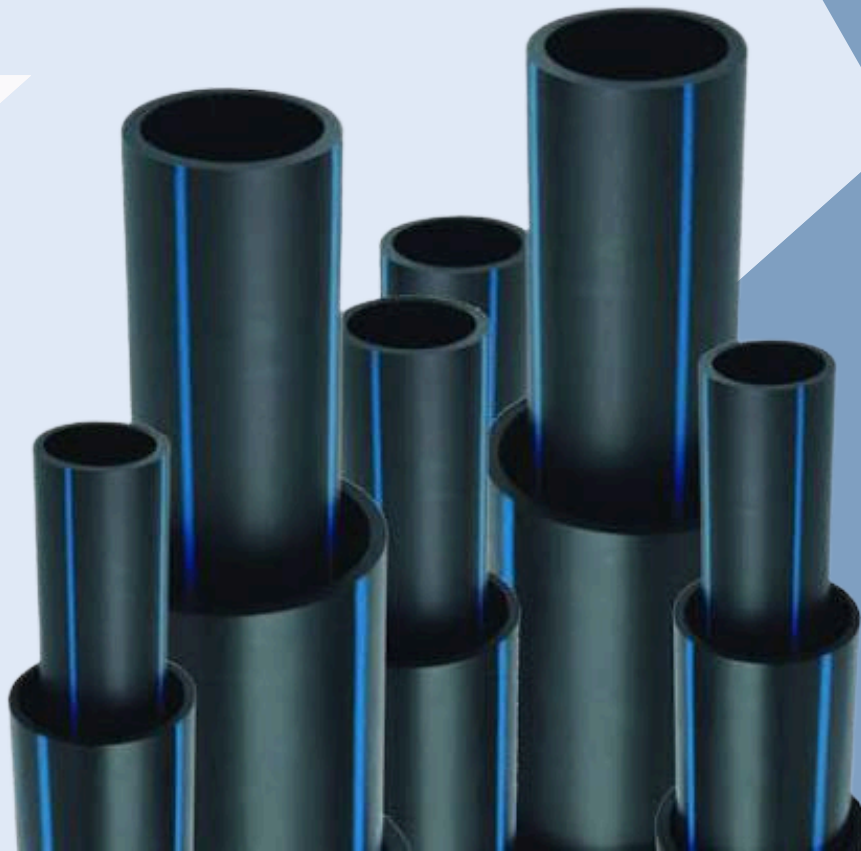
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CM/L-5500154005

AKASH

JAY BABA INDUSTRY



**STRENGTH THAT FLOWS
BUILT TO LAST
ENGINEERED TO PERFORM.**

ABOUT US



A leading manufacturer, supplier, and exporter of a wide variety of HDPE pipes and fittings is JAY BABA INDUSTRY. Our goods are praised for their extended service life, chemical resistance, abrasion resistance, high impact strength, and leakproofness.

We provide our customers with an extensive selection of PE pipes that are made using premium polyethylene granules that are sourced from top-tier suppliers. We offer our pipes and fittings in diameters ranging from 20 mm to 160 mm across all pressure classes. We are BIS certified for producing ISI-marked pipes that comply with IS 4984:2016 and are used in various applications.

We are driven by the leadership of our MD, Mr. MANOJ KUMAR DHANUKA, a seasoned technocrat with deep industry knowledge. His strong business acumen has enabled us to establish a distinct presence in the global market. Our unwavering commitment to ethical practices and timely delivery has further earned the trust of our valued clients.

APPLICATION



01

FARMING & IRRIGATION

- Flood Irrigation
- Sprinkler irrigation
- Dripen irrigation

02

WATER SUPPLY

- Main line for portable water supply
- Distribution and service connection

03

SEWAGE & INDUSTRIAL WASTE DISPOSAL

- Domestic & sanitary sewage system
- Petrochemical and fertilizer industry

04

ELECTRICAL INSTALLATION & DUCTING

- Conduits for telecommunication
- Conduits for cables

05

HYDRO ELECTRIC & MINING

- Hdpe pipeline are the best choice for transporting water, minerals & waste in hydroelectric & mining plant

06

DRAINAGE PIPES

- Surface & rain water
- Waste water lines
- Ground water supply

There are a variety of applications for HDPE pipes, including the transportation of corrosive chemicals, chilled water, and compressed air within a facility, as well as the transportation of cooking gas distribution networks.

BENEFITS & CHARACTERISTICS

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The thermoplastic pipe known as High Density Polyethylene Pipe (HDPE) is composed of a material that can be melted and reshaped. It is strong, reliable, and long-lasting. It has exceptional resilience to cracking under environmental and chemical stress.

HDPE appears to be a novel product in comparison to more established infrastructure materials like PVC, concrete, or ductile iron. In actuality, it has been effectively employed for more than 50 years in a wide range of piping applications.

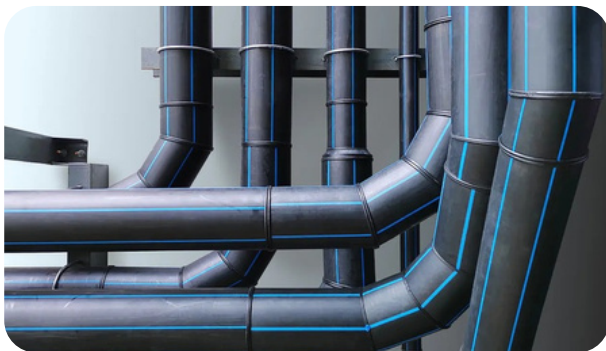
HDPE pipe is the ideal option for your plumbing systems because of its exceptional performance and physical advantages.



• CORROSION RESISTANCE

When it comes to metal pipe systems, corrosion is one of the most expensive issues. It impacts hydraulic efficiency and happens both within and outside the pipe. HDPE pipe doesn't corrode or rust. It is unable to grow biologically. Long-term cost savings and an increased service life are the results of this.

• FUSION / LEAK-FREE JOINTS



HDPE pipes offer fusion or leak-free joints through advanced welding methods like butt fusion and electrofusion, creating a single, continuous pipeline without weak points. This seamless connection ensures zero leakage, high strength, and long-term reliability, making HDPE pipes ideal for water, gas, and industrial applications where durability and performance are essential.



• EXTENDED SERVICE LIFE

HDPE pipes are known for their extended service life, often exceeding 50 years under normal operating conditions. Their exceptional resistance to corrosion, abrasion, and chemical attack ensures long-term performance with minimal maintenance. Unlike metal or concrete pipes, HDPE pipes do not rust, crack, or scale, providing a durable and cost-effective solution for water, gas, and industrial applications.



• ENVIRONMENT FRIENDLY

HDPE pipes are highly environment-friendly due to their long service life, recyclability, and low carbon footprint. They require less energy to manufacture and transport, and their leak-free joints prevent water loss and soil contamination. Additionally, HDPE is a non-toxic and recyclable material, making it a sustainable choice for modern infrastructure that supports resource conservation and environmental protection.

• FLANGE JOINTS

Flange jointing is a reliable method used to connect HDPE pipes to valves, pumps, or other piping materials where disassembly or maintenance is required. It involves attaching HDPE stub ends to the pipe ends through butt fusion, which are then connected using metal backing rings and bolts to form a secure, leak-proof joint. This method ensures strong, flexible, and reusable connections, making it ideal for industrial, water, and sewage applications.



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• WIDE RANGE OF HDPE FITTINGS

HDPE pipes are supported by a comprehensive range of fittings including elbows, tees, reducers, couplers, end caps, and transition adapters. These fittings are designed for easy installation, secure connections, and compatibility with fusion or mechanical jointing methods. The extensive selection ensures that pipelines can be configured to meet complex routing, pressure requirements, and industry-specific applications, providing flexibility and reliability in water supply, irrigation, gas, and industrial systems.





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DIMENSIONS OF HDPE PIPES AS PER IS : 4984 : 2016

Grade of Material		Pipe Series															
		NOMINAL PRESSURE (PN) bar															
		SDR 41	SDR 33	SDR 26	SDR 21	SDR 17	SDR 13.6	SDR 11	SDR 9	SDR 7.4	SDR 6						
Size	OD (mm)	PN 2		PN 2.5		PN 3.2		PN 4		PN 5		PN 6		PN 8		PN 10	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
16	16.0	16.3	1.2														
20	20.0	20.3	1.2														
25	25.0	25.3	1.2														
32	32.0	32.3	1.3														
40	40.0	40.4	1.4														
50	50.0	50.4	1.4														
63	63.0	63.4	1.5														
75	75.0	75.5	1.6														
90	90.0	90.6	1.8														
110	110.0	110.7	2.2														
125	125.0	125.8	2.5														
140	140.0	140.9	2.8														
160	160.0	161.0	3.2														
180	180.0	181.1	3.6														
200	200.0	201.2	4.0														
225	225.0	226.4	4.5														
250	250.0	251.5	5.0														
280	280.0	281.7	5.8														
315	315.0	316.9	6.6														
355	355.0	357.2	7.5														
400	400.0	402.4	8.4														
450	450.0	452.7	9.6														
500	500.0	503.0	10.8														
560	560.0	563.4	12.0														
630	630.0	633.8	13.6														
710	710.0	716.4	15.6														
800	800.0	807.2	17.5														
900	900.0	908.1	19.6														
1000	1000.0	1009.0	22.1														
1200	1200.0	1210.8	25.0														
1400	1400.0	1412.6	28.0														
1600	1600.0	1614.4	31.5														
1800	1800.0	1816.2	35.5														
2000	2000.0	2018.0	40.0														

