



ashiyana pipes

Manufacturers of HDPE Pipes

Eco Friendly
Tough & Strong
100% Hygiene
Smooth Internal Surface
Durable & Light Weight
Flexible
Weather Resistant
Wear & Abrasion Resistant
Inert to Chemicals
Quick & Easy Installation
Length as Required
50 Years Life span
Economical
Maintenance Free
Energy Saving



International
quality standards

in High Density Polyethylene Pipe.



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50 YEARS LIFE

A sophistication in manufacturing and testing process.

Ashiyana Pipes has a sophisticated manufacturing and testing process, offers high quality HDPE piping systems. Its mission is to provide complete ranges of HDPE pipes in sizes vary from 16 mm outer diameter to 110 mm for complete piping systems conforming to International Quality Standards offering to agricultural water supply, ground water management and building waste water disposal systems.



High Density Polyethylene Pipe.

Light weight & Durable . High flow capacity . Abrasion resistance . Weather / Chemical resistance.

100% HYGIENE



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Eco friendly and recyclable system.

QUALITY STANDARDS

Ashiyana Pipes assures a Quality Standard to manufacture and market HDPE pipes that will 100% meet and exceed customer's expectations. The organisation aims at persistent improvement in Quality, Growth & New Product Development.

Ashiyana Pipes is eco-friendly and contains no harmful materials. As it carries water for drinking and various other purposes, the organization has taken special care to ensure free flow of water without contamination. The HDPE system what Ashiyana uses ensure highly reliable piping systems.



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IS 4984

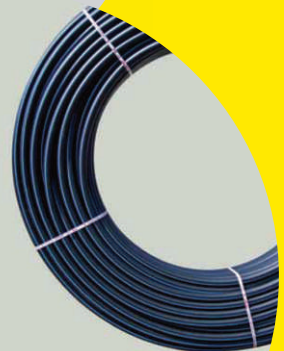
CML-6939602

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ABOUT US

Ashiyana Pipes is a promising organization which is adamant in producing very high quality HDPE pipes. It believes in integrity and commitment to the society, definitely intends to explore future technology and high levels of sophistication in HDPE piping system. This is an organization that gives products which are real value for money.

Effectiveness through its durability and flexibility.

HDPE pipe is a highly reliable alternative to PVC pipe for all piping applications and is rapidly gaining market share for drinkable water, sewer, conduit and ducting, DWV agriculture and ground drainage uses. It has proved its effectiveness through its durability, leak-free performance, corrosion resistance and ductility. Its greater resilience and flexibility makes it less inclined than PVC to surges, damage from digging and shifting soils during earthquakes. HDPE is also preferable to PVC as it is chlorine-less, requires fewer additive in its manufacture and has a much higher recycling rate than PVC.



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TOUGH AND STRONG



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Applications

Drinking Water Supply
Irrigation
Sewerage & Drainage
Gas Transmission
Bore wells
Industrial Effluents
Conduits for Fibre
Sprinkler Systems
Chemical Industries
Optic Cable

Agriculture

For spraying pesticides in gardens, long distant delivery of water for irrigation.
Suction and delivery of water with pump sets.
Drip irrigation.
Sprinkler irrigation systems.
Lifting water from bore wells using air compressor/jet pumps instead of GI pipes.
Lift irrigation scheme.
For submersible pumps / column pipes instead of GI pipes.
Potable water supply.
Water supply in rural and urban areas-even in sub-zero temperatures at high altitudes.

Industrial

Conveying corrosive effluents of chemical and other process industries like petrochemicals, paper, dye-stuffs, paints, rayon and fertilisers.
Protective outer cover for telephone cable conduits and telephone duct.
Conveying treated radio-active waste. Handling edible oils, fruit juices pulps, milk and other food material.
Conveying acids, alkalis and other corrosive chemicals.
Chilled water circulation.
Conveying of sewage, drainage (outside and underground).
Air conditioning and ducting.
Handling of salt water.



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DURABLE & FLEXIBLE



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Features

Eco friendly
tough and strong
100% hygiene
smooth internal surface
durable and light weight
flexible
weather resistant
wear and abrasion resistant
inert to chemicals
quick and easy installation
length as required
50 years lifespan
economical
maintenance free
energy saving.

HDPE advantages

HDPE material exhibits a lot of advantages over traditional materials for pressure pipe applications. It is easy to process. The pipes are easy to install, light, flexible, corrosion free and can be easily welded by butt fusion or electrofusion couplers to ensure a totally leak free network. This is a flavour of the numerous advantages of polyethylene, which explains its successful track record usage since the beginning of the 1950's. From that time, the properties of Polyethylene has continuously been improved to answer the needs of a more and more demanding market.


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WEATHER RESISTANT



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Product Range

Available in sizes ranging from 16 mm - 110 mm in 2.5, 4.0, 6.0, 8.0, 10.0, 12.5 and 16 kg/cm² pressure rating.

Sizes ranging from 16 mm to 110 mm for suction, submersible and jet pump applications.

Pressure class depends upon the depth of the bore.

Recommendations

Depth of the Bore in mtrs	Pressure Class
upto 55 mtrs	4.0 kg/cm ²
upto 90 mtrs	6.0 kg/cm ²
upto 140 mtrs	10.0 kg/cm ²
upto 170 mtrs	12.5 kg/cm ²

Length / packing

Size Range	Length
16 mm to 50 mm	500 mtrs standard
63 mm to 90 mm	300 mtrs standard
110 mm	upto 200 mtrs / in straight length of 6 mtrs.



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LENGTH AS REQUIRED



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Dimensional details for HDPE pipes made as per IS: 4984
(Wall thickness of pipes for material grade PE 63)

Size in OD	2.5 Kg/Cm ² (PN 2.5)		4 Kg/Cm ² (PN 4)		6 Kg/Cm ² (PN 6)		10 Kg/Cm ² (PN 10)		12.5 Kg/Cm ² (PN 12.5)		16 Kg/Cm ² (PN 16)	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
20 mm	*	*	*	*	*	*	2.3	2.8	2.8	3.3	3.4	4.0
25 mm	*	*	*	*	*	*	2.8	3.3	3.4	4.0	4.2	4.9
32 mm	*	*	*	*	2.3	2.8	3.6	4.2	4.4	5.1	5.4	6.2
40 mm	*	*	2.0	2.4	2.8	3.3	4.5	5.2	5.5	6.3	6.7	7.6
50 mm	*	*	2.4	2.9	3.5	4.1	5.6	6.4	6.8	7.7	8.4	9.5
63 mm	2.0	2.4	3.0	3.5	4.4	5.1	7.0	7.9	8.6	9.7	10.5	11.8
75 mm	2.3	2.8	3.6	4.2	5.3	6.1	8.4	9.5	10.2	11.5	12.5	14.0
90 mm	2.8	3.3	4.3	5.0	6.3	7.2	10.0	11.2	12.2	13.7	15.0	16.7
110 mm	3.4	4.0	5.3	6.1	7.7	8.7	12.3	13.8	14.9	16.6	18.4	20.5

Dimensional details for HDPE pipes made as per IS: 4984
(Wall thickness of pipes for material grade PE 80)

Size in OD	2.5 Kg/Cm ² (PN 2.5)		4 Kg/Cm ² (PN 4)		6 Kg/Cm ² (PN 6)		10 Kg/Cm ² (PN 10)		12.5 Kg/Cm ² (PN 12.5)		16 Kg/Cm ² (PN 16)	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
20 mm	*	*	*	*	*	*	*	*	2.3	2.8	2.8	3.3
25 mm	*	*	*	*	*	*	2.3	2.8	2.8	3.3	3.5	4.1
32 mm	*	*	*	*	*	*	3.0	3.5	3.6	4.2	4.5	5.2
40 mm	*	*	*	*	2.3	2.8	3.7	4.3	4.5	5.2	5.6	6.4
50 mm	*	*	2.3	2.8	2.9	3.4	4.6	5.3	5.6	6.4	6.9	7.8
63 mm	*	*	2.5	3.0	3.6	4.2	5.8	6.6	7.0	7.9	8.7	9.8
75 mm	*	*	2.9	3.4	4.3	5.0	6.9	7.8	8.4	9.5	10.4	11.7
90 mm	2.3	2.8	3.5	4.1	5.1	5.9	8.2	9.3	10.0	11.2	12.5	14.0
110 mm	2.7	3.2	4.3	5.0	6.3	7.2	10.0	11.2	12.3	13.8	15.2	17.0


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Eco-friendly



Due to this combination of properties, HDPE pipe grades perfectly meet the challenge of sustainable development and energy efficiency. Independent studies have demonstrated that HDPE pipes have a carbon footprint much lower than traditional materials on their whole life cycle from production of HDPE material to recycling of pipes after their many years of service. The impact on environment during installation of HDPE pipes is also very limited due to the limited number and size of machines needed on site to install HDPE pipes compared to traditional materials, mainly because of the light weight of HDPE material.

www.maxinto.com

IS 4984

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