

# Ganpati Polymers

LIFE LINES... NOT JUST PIPELINES



IS : 4984



CM/L 9700014213

HDPE Pipes & Fitting  
scater to every large  
scale need



## Profile

Ganpati Polymers is the leading HDPE Pipes Manufacturers in India since 2007, combining advanced technology and superior customer service, with an aim to provide piping solutions for potable water supply, borewells, agricultural and industrial needs. The dedication and long-term value of our business model is in placing our clients, their projects and the environment at the centre of everything that we do.

## Quality Assurance

Ganpati Polymer Quality Assurance system supports and ensures highest quality in the industry for the products manufactured with timely supply to our customers which meet the requirement completely. Ganpati Polymer products are stringently checked at each stage of the production as well as post production process.

## Infrastructure

Our infrastructure plays an important role in enabling us to meet the exact requirements and standards of the industry. We are empowered by a sophisticated infrastructure, supported by highly experienced professionals. All our equipment and machinery incorporate the latest technologies that enable us to maintain our competitive edge in the market.

## Benefits

- Light weight, strong long lasting and maintenance free.
- Tough due to high flexural and impact strength.
- Capable of withstanding high internal and external loads by balancing internal fluid pressure with external soil pressure.
- Chemically inert and resistant to chemicals and hostile corrosive soil.
- Highly resistant to abrasion and suitable for transportation of slurry, boiler ash, ores, beach sands etc.
- Easy weld ability ensures quick joining by most reliable Butt Fusion techniques.
- Strongly resistant to acids, as well as alkalis and can be laid in marshy and corrosive soils without any coating or cathode based protection.
- Physiologically harmless as the pipes are tasteless, odourless and cause no bacterial growth. Suitable for transportation of potable water.



## Applications

- Drinking Water Supply Systems.
- Telecom pipes
- Gas pipes
- Sewerage



## Aqua Prime<sup>®</sup> HDPE Pipes

Polyethylene is a thermoplastic polymer consisting of long chains of ethylene or ethene. It is a wax like thermoplastic with density varying from 934.0 kg/m<sup>3</sup> to 960.0 kg/m<sup>3</sup> which is less than the density of water. The only two additives that are added to polyethylene are Carbon Black, within the range limit of 2-3% in order to add reinforcement and to increase polyethylene's weathering properties and trace amounts of anti-oxidant. It has excellent insulation properties over a wide range of frequencies and is not chemically active. HDPE Pipes are one of the two largest thermoplastic pipelines available and by far the most versatile.

The advantages of Aqua Prime<sup>®</sup> HDPE pipes in comparison to other conventional products are immense. The uniqueness of this product gives it an edge over other products in respect to COMPLETE LIFE-CYCLE COST i.e. cost of material, transportation, installation and maintenance over the life of the pipeline system.



## Specifications

- Quality Grades: PE63, PE80, PE100
- Pressure Ratings: PN6, PN8, PN10
- Range/Size: 20mm to 160mm

### 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			
		NOMINAL PRESSURE (PN) bar																					
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 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)		W/T(MM)	
	MIN	MAX		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	
25	25.0	25.3	1.2														1.9	2.2	2.3	2.6	2.7	3.1	
32	32.0	32.3	1.3														1.9	2.2	2.4	2.7	2.9	3.3	
40	40.0	40.4	1.4														1.9	2.2	2.4	2.7	3.0	3.4	
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	
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	
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	
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	
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	
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	
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	
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	



## PLB Duct Pipe

Ganpati Polymer PLB Duct Pipes are manufactured from High Density Poly Ethylene (HDPE) and are coated inside with Silicon for permanent lubrication that aids in easy installation as conduits for underground cabling. These are manufactured at our state-of-the-art extrusion plants.

Available in sizes: 32/26 mm and 40/33 mm

Used for Fibre Optic Cables in multi-color

## Customer Satisfaction

We satisfy the requirements of our clients by foreseeing their future demands, by maintaining a constant relationship with our customers & understanding their exact requirements.

## Product Family

DESCRIPTION OF ITEMS	SIZES	APPLICATIONS
<b>POLYETHYLENE PRODUCTS</b>		
HDPE Pipes IS 4984	20mm to 160 mm	Water Supply
HDPE Pipes	63mm to 160 mm	Sewerage & Slurry Disposal
HDPE Pipes & Fittings	50mm to 160 mm	Sprinkler & Flow Irrigation System
HDPE PLB Telecom Ducts	32mm, 40mm	Underground OFC Conduits
MDPE Pipes	16mm to 160 mm	Gaseous Fuel Conveyance

### Registered Office

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