



HDPE Pipes

Rainbow Pipes is an **ISO-9001 : 2000** Products, a well established in HDPE Pipes.

RAINBOW POLY VALVE PVT.LTD are manufactured as per the Indian & international specifications i.e. IS : 4984 -1995 Presently up to size 20MM TO 315 mm in all pressure class manufacturing from material grade PE 100, PE 80, PE 63.

RAINBOW HDPE pipe delivers exceptional value, unwavering reliability and remarkable advantages over conventional types of piping its today right choice for portable water, drainage, tueigas, conduit, irrigation & telecom application.

Features:



- Long term service life
- Highly-resistant to corrosion, adrasion and Chemicals
- Strong, durable, flaxible and light weight.
- Longer-length pipe with leak proof joints.
- Lower labor requirements for installations
- Significant over all soil condition and earth quake prone areas.
- Ideal in shifting soil condition and earth quake prone areas.

Reg. off. : B/133 Bileshwer Ind. Estate, Opp. G.V.M.M., S.P.Ring Road, Odhav, Ahmedabad - 382415. (Guj.)
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Water Supply Systems	Industrial	Environmental Protection	Agriculture	Other
Transportation and distribution system	Effluents, chemicals and treated/untreated water disposal	Underground drainage application/rehabilitation of existing sewer.	Column piping for submersible and jet pumps.	Transportation of chemicals, solids gas and oils
House service connection e.g. Municipal water bodies, SEZ's, layout's, etc.	As hydro transport system for handling and conveyance of iron, coal and cement slurry in mines	Effluent and waste treatment plants.	Suction and delivery pipes.	Underwater pipelines. / Desalination plants.
	For conveyance of edible oil, fruit pulps, juices, milks and other food materials.	Dust suppression pipping systems in cement industry.	sprinkler and drip irrigation systems.	Telecommunication cable ducting (PBL duct.)
	As a ventilation and air conditioning duct.	Sand slurry disposal pipes in dredging.	Lift irrigation & insecticide sprating	Telecommunication cable ducting (PBL duct.)

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IS:4984:TABLE 1 WALL THICKNESS OF PIPES & WT/ M FOR PE 63

TABLE 3 WALL THICKNESS OF PIPES & WT/ M FOR PE 63														
(All dimensions in MM)														
Nominal	PN 2.5		PN 4		PN 6		PN 8		PN 10		PN 12.5		PN 16	
Dia.	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
20									2.3	2.8	2.8	3.3	3.4	4.0
25							2.3	2.8	2.8	3.3	3.4	4.0	4.2	4.9
32					2.3	2.8	3.0	3.5	3.6	4.2	4.4	5.1	5.4	6.2
40			2.0	2.4	2.8	3.3	3.7	4.3	4.5	5.2	5.5	6.3	6.7	7.6
50			2.4	2.9	3.5	4.1	4.6	5.3	5.6	6.4	6.8	7.7	8.4	9.5
63	2.0	2.4	3.0	3.5	4.4	5.1	5.8	6.6	7.0	7.9	8.6	9.7	10.5	11.8
75	2.3	2.8	3.6	4.2	5.3	6.1	6.9	7.8	8.4	9.5	10.2	11.5	12.5	14.0
90	2.8	3.3	4.3	5.0	6.3	7.2	8.2	9.3	10.0	11.2	12.2	13.7	15.0	16.7
110	3.4	4.0	5.3	6.1	7.7	8.7	10.0	11.2	12.3	13.8	14.9	16.6	18.4	20.5
125	3.8	4.4	6.0	6.8	8.8	9.9	11.4	12.8	13.9	15.5	16.9	18.8	20.9	23.2
140	4.3	5.0	6.7	7.6	9.8	11.0	12.8	14.3	15.6	17.4	19.0	21.1	23.4	26.0
160	4.9	5.6	7.7	8.7	11.2	12.6	14.6	16.3	17.8	19.8	21.7	24.1	26.7	29.6
180	5.5	6.3	8.6	9.7	12.6	14.1	16.4	18.3	20.0	22.2	24.4	27.1	30.0	33.2
200	6.1	7.0	9.6	10.8	14.0	15.6	18.2	20.3	22.3	24.8	27.1	30.1	33.4	37.0
225	6.9	7.8	10.8	12.1	15.7	17.5	20.5	22.8	25.0	27.7	30.5	33.8	37.5	41.5
250	7.6	8.6	12.0	13.4	17.5	19.5	22.8	25.3	27.8	30.8	33.8	37.4	41.7	46.1
280	8.5	9.6	13.4	15.0	19.6	21.8	25.5	28.3	31.2	34.6	37.9	41.9	46.7	51.6
315	9.6	10.8	15.0	16.7	22.0	24.4	28.7	31.8	35.0	38.7	42.6	47.9	52.5	58.0

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IS:4984:TABLE 2 WALL THICKNESS OF PIPES & WT/ M FOR PE 80

TABLE 4 WALL THICKNESS OF PIPES & WT/ M FOR PE 80														
(All dimensions in MM)														
Nominal	PN 2.5		PN 4		PN 6		PN 8		PN 10		PN 12.5		PN 16	
Dia	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
20											2.3	2.8	2.8	3.3
25									2.3	2.8	2.8	3.3	3.5	4.1
32							2.4	2.9	3.0	3.5	3.6	4.2	4.5	5.2
40					2.3	2.8	3.0	3.5	3.7	4.3	4.5	5.2	5.6	6.4
50			2.3	2.8	2.9	3.4	3.8	4.4	4.6	5.3	5.6	6.4	6.9	7.8
63			2.5	3.0	3.6	4.2	4.7	5.4	5.8	6.6	7.0	7.9	8.7	9.8
75			2.9	3.4	4.3	5.0	5.6	6.4	6.9	7.8	8.4	9.5	10.4	11.7
90	2.3	2.8	3.5	4.1	5.1	5.9	6.7	7.6	8.2	9.3	10.0	11.2	12.5	14.0
110	2.7	3.2	4.3	5.0	6.3	7.2	8.2	9.3	10.0	11.2	12.3	13.8	15.2	17.0
125	3.1	3.7	4.9	5.6	7.1	8.1	9.3	10.5	11.4	12.8	13.9	15.5	17.3	19.3
140	3.5	4.1	5.4	6.2	8.0	9.0	10.4	11.7	12.8	14.3	15.6	17.4	19.4	21.6
160	4	4.6	6.2	7.1	9.1	10.3	11.9	13.3	14.6	16.3	17.8	19.8	22.1	24.6
180	4.4	5.1	7.0	7.9	10.2	11.5	13.4	15.0	16.4	18.3	20.0	22.2	24.9	27.6
200	4.9	5.6	7.7	8.7	11.4	12.8	14.9	16.6	18.2	20.3	22.3	24.8	27.6	30.6
225	5.5	6.3	8.7	9.8	12.8	14.3	16.7	18.6	20.5	22.8	25.0	27.7	31.1	34.5
250	6.1	7.0	9.7	10.9	14.2	15.9	18.6	20.7	22.8	25.3	27.8	30.8	34.5	38.2
280	6.9	7.8	10.8	12.1	15.9	17.7	20.8	23.1	25.5	28.3	31.2	34.6	38.7	42.8
315	7.7	8.7	12.2	13.7	17.9	19.9	23.4	26.0	28.7	31.8	35.0	38.7	43.5	48.1

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IS:4984:TABLE 3 WALL THICKNESS OF PIPES & WT/ M FOR PE 100

TABLE 5 WALL THICKNESS OF PIPES & WT/ M FOR PE 100										
(All dimensions in MM)										
Nominal	PN 6		PN 8		PN 10		PN 12.5		PN 16	
Dia	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
20									2.3	2.8
25							2.3	2.8	2.9	3.4
32					2.4	2.9	2.9	3.4	3.7	4.3
40			2.4	2.9	3.0	3.5	3.7	4.3	4.6	5.3
50	2.3	2.8	3.0	3.5	3.7	4.3	4.6	5.3	5.7	6.5
63	2.9	3.4	3.8	4.4	4.7	5.4	5.7	6.5	7.1	8.1
75	3.5	4.1	4.5	5.2	5.6	6.4	6.8	7.7	8.5	9.6
90	4.1	4.8	5.4	6.2	6.7	7.6	8.2	9.3	10.2	11.5
110	5	5.7	6.6	7.5	8.1	9.2	10.0	11.2	12.4	13.9
125	5.7	6.5	7.5	8.5	9.2	10.4	11.8	12.7	14.1	15.8
140	6.4	7.3	8.4	9.5	10.3	11.6	12.7	14.2	15.8	17.6
160	7.3	8.3	9.6	10.8	11.8	13.2	14.5	16.2	18.1	20.2
180	8.2	9.3	10.8	12.1	13.3	14.9	16.8	18.2	20.3	22.6
200	9.1	10.3	12.0	13.4	14.8	16.5	18.1	20.2	22.6	25.1
225	10.3	11.6	13.5	15.1	16.6	18.5	20.4	22.7	25.4	28.2
250	11.4	12.8	15.0	16.7	18.4	20.5	22.6	25.1	28.2	31.3
280	12.8	14.3	16.8	18.7	20.6	22.9	25.3	28.1	31.6	35.0
315	14.4	16.1	18.9	21.0	23.2	25.8	28.5	31.6	35.5	39.3

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