

AURO[®]

≡ PLUS

HDPE Pipes & Coils

IS : 4984 : 2016



About Us :

The Name "AUROPLUS" comes from "Water" which is crucial for the growth and well-being of every living from including plants.

Arihant Industries is an ISO 9001 : 2015 as well as ISI Certified Company, having product ranges in pipes i.e. HDPE Pipes & Coils and Sprinkler System. Introduced in the year 1998. Arihant has the vision to provide better quality product to the farmers, Government & Semi-Government Departments which helps them in using the natural resources to the fullest.

Arihant Industries is completely devoted to customer satisfaction and aims to serve the customers in the best possible way. Quality of the product and environment are our key concerns at all times.

HDPE Pipes (as per IS 4984 : 2016)

Salient Features

- Strong and Resilient
- Length as Required
- Chemical Resistant
- Maintenance Free
- Resist all Bacterial and Fungal Growth
- Light Weight (Low cost of transportation, Handling & Installation)
- Better Flow Characteristic
- Economical

Applications

AGRICULTURE

- Water Supply for Irrigation in Fields.
- Drawing Water from Pump Sets for Distribution.
- Most Suitable Submersible Pump and Jet Pumps.
- Landscape Irrigation.

Domestic

- Water System for Colony
- For Potable Water Supply in Rural & urban Areas

Industrial

- Oil & Milk Transportation
- Acid and Slurries Transportation
- Salt Water Landing
- Petrochemical, Paper, Dye, Paint, Cement and Other Chemical Industries for Disposal of Chemical Waste
- Discharge of Radioactive Waste

Others

- Air Conditioner Ducting
- Telecommunication Cable Ducting
- Bio-Gas, Cool gas & Natural gas Distribution Lines.

Recommendations

Depth of The Bore in Mtrs.	Pressure Class
Up to 55 Mtrs.	4.0 kg/cm ²
Up to 90 Mtrs.	6.0 kg/cm ²
Up to 140 Mtrs.	10.0 kg/cm ²
Up to 170 Mtrs.	12.5 kg/cm ²

Available in 32mm to 315mm with



IS : 4984 : 2016

Wall Thickness of AUROPLUS HDPE PIPES for Material Grade PE 63 as per IS : 4984:2016

Nominal Diameter In MM	PN 2, SDR 41		PN 2.5, SDR 33		PN 3.2, SDR 26		PN 4, SDR 21		PN 5, SDR 17		PN 6, SDR 13.6		PN 8, SDR 11	
	Wall thickness		Wall thickness		Wall thickness		Wall thickness		Wall thickness		Wall thickness		Wall thickness	
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
32									1.9	2.2	2.4	2.7	2.9	3.3
40							1.9	2.2	2.4	2.7	3.0	3.4	3.7	4.2
50					2.0	2.3	2.4	2.7	3.0	3.4	3.7	4.2	4.6	5.2
63					2.5	2.9	3.0	3.4	3.7	4.2	4.7	5.3	5.8	6.5
75	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
90	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
110	2.7	3.1	3.4	3.8	4.3	4.8	5.9	6.6	6.5	7.3	8.1	9.0	10.0	11.1
125	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
140	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
160	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
180	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
200	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
225	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
250	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
280	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
315	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

Wall Thickness of AUROPLUS HDPE PIPES for Material Grade PE 80 as per IS : 4984:2016

Nominal Diameter In MM	PN 2.5, SDR41		PN 3.2, SDR 33		PN4, SDR26		PN 5, SDR21		PN 6, SDR 17		PN 8, SDR 13.6		PN 10, SDR 11		PN 12.5, SDR9		PN 16, SDR 7.4		PN 20, SDR 6	
	Wall thickness		Wall thickness		Wall thickness		Wall thickness		Wall thickness		Wall thickness		Wall thickness		Wall thickness		Wall thickness		Wall thickness	
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
32									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							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					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					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	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	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	2.7	3.1	3.4	3.8	4.3	4.8	5.9	6.6	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	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	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	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	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	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	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	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	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	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

Wall Thickness of AUROPLUS HDPE PIPES for Material Grade PE 100 as per IS : 4984:2016

Nominal Diameter In MM	PN 3, SDR 41		PN 4, SDR 33		PN 5, SDR 26		PN 6, SDR 21		PN 8, SDR 17		PN 10, SDR 13.6		PN 12.5, SDR 11		PN 16, SDR 9		PN 20, SDR 7.4	
	Wall thickness		Wall thickness		Wall thickness		Wall thickness		Wall thickness		Wall thickness		Wall thickness		Wall thickness		Wall thickness	
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
32									1.9	2.2	2.4	2.7	2.9	3.3	3.6	4.1	4.4	4.9
40							1.9	2.2	2.4	2.7	3.0	3.4	3.7	4.2	4.5	5.1	5.4	6.0
50					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
63					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
75	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
90	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
110	2.7	3.1	3.4	3.8	4.3	4.8	5.9	6.6	6.5	7.3	8.1	9.0	10.0	11.1	12.3	13.6	14.9	16.5
125	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
140	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
160	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
180	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
200	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
225	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
250	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
280	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
315	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

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