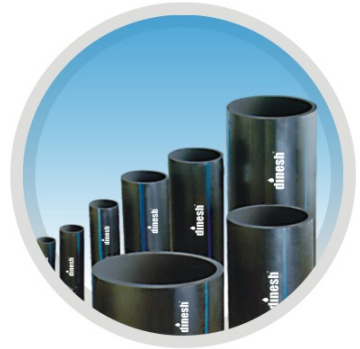




(AN ISO 9001:2015, ISO 4427:2007
& ISO 14001:2015 CERTIFIED COMPANY)

Best
Quality Products
From The
Beginning Itself

a commitment to the nation



THE COMPANY

An ISO 9001:2000 certified company, Dinesh Irrigation Private Limited was established in the year 2000 with the commitment to supply quality products meeting or exceeding customer's expectations and achieving objectives of being a preferred supplier.

Situated at Jhotwara Industrial Area, Jaipur, the company produced excellent uPVC & HDPE Pipes with unique skill, continuous technological upgradation, professional management, testing and persistent dedication without compromising on quality leading the entire organization to National and International name and repute.

The Company is enjoying technological advantages with latest equipped on-site laboratory at manufacturing plant. These innovative facilities are in the forefront of product development, which go forward the most careful, vigilant standards of product testing based on national and international standards.

The Company believes to innovate product features to other excellent product to indulge customer requirement and to meet this we have dedicated team of plastic and chemical engineers, operators and skilled labour.

QUALITY IN-BORN: That is what forms the core of all "dinesh" Products.



THE INFRASTRUCTURE



HDPE PIPES & COILS IS:4984-2016 & IS:15328-2003



HDPE Pipes are manufactured from High Density Poly Ethylene Polymers i.e. PE-63, PE 80, PE 100. HDPE Pipes are available in sizes 20mm to 500mm outer diameter and in pressure rating ranging from PN 2.5 to PN 16.0.

Applications

Water Supply Systems

- In water supply distribution systems
- As a replacement of G.I.Pipes in Borewell application to submersible pumps.
- For suction and delivery lines of jet pumps and centrifugal pumps.
- Domestic Gas Distributions is perfectly possible.

Industrial applications

- Disposal of corrosive effluents chemicals and treated / untreated wastes.
- Acids and Alkalies can be transported through these pipes.
- For conveying edible oils, fruit pumps, juices, milk and other food products.
- As ducts for Air conditioning and ventilation.
- For transporting slurries of Iron Ore, Fly Ash etc.
- Under water (Submarine pipe lines) pipe lines is feasible.

Environmental Protection

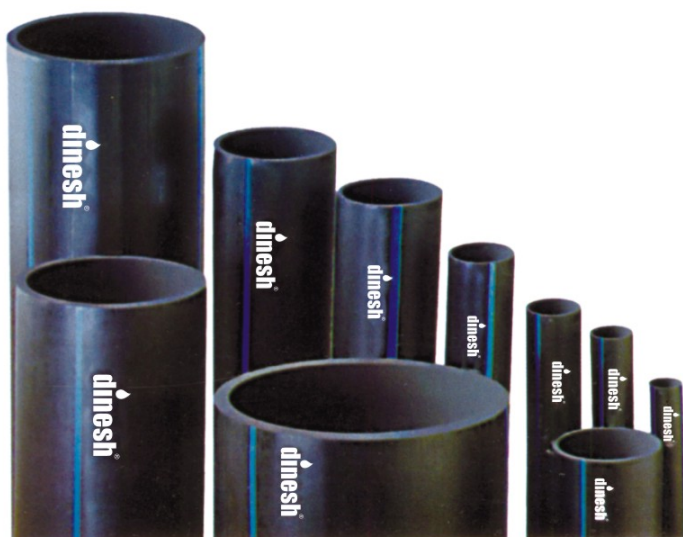
- HDPE Pipes are also used for industrial waste treatment plants and water treatment plants.
- For drainage of sewerage
- For disposal of sand slurry in dredging operations.

Advantages

- Low specific weight and flexibility
- Perfect weld ability, tough and strong
- Abrasion and wear resistant
- Good chemical and weathering resistance
- Low-co-efficient of Friction

Recommendations

Depth of the Bore	Pressure Class
Up to 55 meters	4.0 kg / cm ²
Up to 90 meters	6.0 kg / cm ²
Up to 140 meters	10.0 kg / cm ²
Up to 170 meters	12.5 kg / cm ²



Dimension of HDPE Pipe (PE-63) for Pressure ratings of IS:4984-2016

Dia	PN 2.5		PN 4		PN 6		PN 8		PN 10		PN 12.5		PN 16	
DN	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	9.5	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	47.1	52.5	58.0
355	10.8	12.1	17.0	18.9	24.8	27.5	32.3	35.8	39.5	43.7	48.0	53.0	59.2	65.4
400	12.2	14.3	19.1	22.2	28.0	32.4	36.4	42.1	44.5	51.4	54.1	62.5		
450	13.7	16.0	21.5	25.0	31.4	36.4	41.0	47.4	50.0	57.7				
500	15.2	17.7	23.9	27.7	34.9	40.4	45.5	52.6	55.6	64.2				

Dimension of HDPE Pipe (PE-80) for Pressure ratings of IS:4984-2016

Dia	PN 2.5		PN 4		PN 6		PN 8		PN 10		PN 12.5		PN 16	
DN	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	4.0	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
355	8.7	9.8	13.7	15.3	20.1	22.4	26.3	29.3	32.3	35.8	39.5	43.7	49.0	54.1
400	9.8	11.5	15.4	18.0	22.7	26.4	29.7	34.4	36.4	42.1	44.5	51.4	52.2	63.7
450	11.0	12.9	17.4	20.3	22.5	29.6	33.4	38.7	41.0	47.4	50.0	57.7		
500	12.2	14.3	19.3	22.4	28.4	32.9	37.1	42.9	45.5	52.6	55.6	64.2		

Dimension of HDPE Pipe (PE-100) for Pressure ratings of IS:4984-2016

Dia DN	PN 6		PN 8		PN 10		PN 12.5		PN 16	
	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	5.0	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	11.3	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	16.3	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	25.8
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
355	16.2	18.1	21.2	23.6	26.2	29.1	32.1	35.6	40.0	44.2
400	18.2	21.2	23.9	27.7	29.5	34.2	36.2	41.9	45.1	52.1
450	20.5	23.8	26.9	31.2	33.1	38.3	40.7	47.1	50.8	58.7
500	22.8	26.5	29.9	34.6	36.8	42.6	45.2	52.2	56.4	65.1

Dimension of HDPE Pipe (PE-63) for Pressure ratings of IS: 15328-2003

Dia DN	PN 2.5		PN 4		PN 6		PN 8		PN 10		PN 12.5		PN 16	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
63	-	-	4.0	4.6	5.8	6.6	7.5	8.5	9.0	10.1	10.9	12.2	13.3	14.9
75	3.0	3.5	4.7	5.4	6.9	7.8	8.9	10.0	10.8	12.1	13.0	14.5	15.8	17.6
90	3.6	4.2	5.7	6.5	8.2	9.3	10.6	11.9	12.9	14.4	15.6	17.4	19.0	21.1
110	4.4	5.1	6.9	7.8	10.0	11.2	13.0	14.5	15.8	17.6	19.0	21.1	23.2	25.8
125	5.0	5.7	7.9	8.9	11.4	12.8	14.8	16.5	17.9	19.9	21.6	24.0	26.4	29.3
140	5.6	6.4	8.8	9.9	12.8	14.3	16.5	18.4	20.0	22.2	24.2	26.9	29.5	32.7
160	6.4	7.3	10.0	11.2	14.6	16.3	18.9	21.0	22.9	25.4	27.6	30.6	33.7	37.3
180	7.2	8.2	11.3	12.7	16.4	18.3	21.2	23.6	25.8	28.6	31.1	34.5	37.9	41.9
200	8.0	9.0	12.5	14.0	18.2	20.3	23.6	26.2	28.6	31.7	34.5	38.2	42.2	46.7
225	9.0	10.1	14.1	15.8	20.5	22.8	26.5	29.4	32.2	35.7	38.8	42.9	47.4	52.4
250	10.0	11.2	15.7	17.5	22.8	25.3	29.5	32.7	35.8	39.6	43.2	47.8	52.7	58.2
280	11.2	12.6	17.5	19.5	25.5	28.3	33.0	36.5	40.0	44.2	48.3	53.4		
315	12.6	14.1	19.7	21.9	28.7	31.8	37.1	41.1	45.0	49.7	54.4	60.1		
355	14.2	15.9	22.2	24.7	32.3	35.8	41.8	46.2	50.8	56.1				
400	16.0	18.6	25.0	29.0	36.4	42.1	47.1	54.4	57.2	66.0				
450	18.0	20.9	28.2	32.7	41.0	47.4	53.0	61.2						
500	20.0	23.2	31.3	36.2	45.5	52.6								



Dimension of HDPE Pipe (PE-80) for Pressure ratings of IS: 14333-1996

Dia	PN 2.5		PN 4		PN 6		PN 8		PN 10		PN 12.5		PN 16	
DN	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
63	-	-	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	47.1	52.5	58.0
355	10.8	12.1	17.0	18.9	24.8	27.5	32.3	35.8	39.5	43.7	48.0	53.0	59.2	65.4
400	12.2	14.3	19.1	22.2	28.0	32.4	36.4	42.1	44.5	51.4	54.1	62.5		
450	13.7	16.0	21.5	25.0	31.4	36.4	41.0	47.4	50.0	57.7				
500	15.2	17.7	23.9	27.7	34.9	40.4	45.5	52.6	55.6	64.2				

Dimension of HDPE Pipe (PE-100) for Pressure ratings of IS: 14333-1996

Dia	PN 6		PN 7		PN 10		PN 12.5		PN 16	
DN	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
63	3.6	4.2	4.7	5.4	5.8	6.6	7.0	7.9	8.7	9.8
75	4.3	5.0	5.6	6.4	6.9	7.8	8.4	9.5	10.4	11.7
90	5.1	5.9	6.7	7.6	8.2	9.3	10.0	11.2	12.5	14.0
110	6.3	7.2	8.2	9.3	10.0	11.2	12.3	13.8	15.2	17.0
125	7.1	8.1	9.3	10.5	11.4	12.8	13.9	15.5	17.3	19.3
140	8.0	9.0	10.4	11.7	12.8	14.3	15.6	17.4	19.4	21.6
160	9.1	10.3	11.9	13.3	14.6	16.3	17.8	19.8	22.1	24.6
180	10.2	11.5	13.4	15.0	16.4	18.3	20.0	22.2	24.9	27.6
200	11.4	12.8	14.9	16.6	18.2	20.3	22.3	24.8	27.6	30.6
225	12.8	14.3	16.7	18.6	20.5	22.8	25.0	27.7	31.4	34.5
250	14.2	15.9	18.6	20.7	22.8	25.3	27.8	30.8	34.5	38.2
280	15.9	17.7	20.8	23.1	25.2	28.3	31.2	34.6	38.7	42.8
315	17.9	19.9	23.4	26.0	28.7	31.8	35.0	38.7	43.5	48.1
355	20.1	22.4	26.3	29.2	32.3	35.8	39.5	43.7	49.0	54.1
400	22.7	26.4	29.7	34.4	36.4	42.1	44.5	51.4	55.2	63.7
450	25.5	29.6	33.4	38.7	41.0	47.4	50.0	57.7		
500	28.4	32.9	37.1	42.9	45.5	52.6	55.6	64.2		



MDPE PIPES ISO : 4427 - 1, 2 & 3 : 2007

Poly Ethylene Piping Systems are the most preferred means of transportation and distribution of Natural Gas Worldwide.

Material

The raw material used is Medium Density Poly Ethylene (MDPE) PE-80 and PE 100 is used for the production of Gas Pipes.

Product Range

These Pipes are manufactured in the range of 20mm to 500mm (Outer Diameter) in all pressure ratings. These pipes conform to various International standards such as ISO 4427, BS 7281, DIN 8074/75 and BIs Standard IS:14885.

These Pipes are identified by their colour for different uses for eg. Yellow for Gas, Orange for Petrol and Blue for Water. These Pipes can tailor make to meet specific requirements of individual Gas Customer.

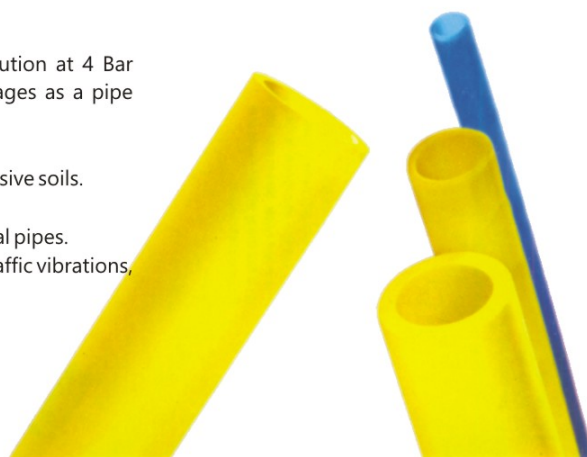
Pipe Specification (As per IS: 14885:2001)

	SDR 17.6		SDR 13.6		SDR 11.0		SDR 9.0	
	Wall Thickness		Wall Thickness		Wall Thickness		Wall Thickness	
DIA Min.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
20	2.3	2.7	2.3	2.7	3.0	3.5	3.0	3.5
25	2.3	2.7	2.3	2.7	3.0	3.5	3.0	3.5
32	2.3	2.7	2.3	2.7	3.0	3.5	3.6	4.1
40	2.3	2.7	3.0	3.5	3.7	4.2	4.5	5.1
50	2.9	3.3	3.7	4.2	4.6	5.2	5.6	6.3
63	3.6	4.1	4.7	5.3	5.8	6.5	7.1	8.0
75	4.3	4.9	5.5	6.2	6.8	7.6	8.4	9.4
90	5.2	5.9	6.6	7.4	8.2	9.2	10.1	11.3
110	6.3	7.1	8.1	9.1	10.0	11.2	12.3	13.7
125	7.1	8.0	9.2	10.3	11.4	12.7	14.0	15.6
140	8.0	9.0	10.3	11.5	12.7	14.1	15.7	17.4
160	9.1	10.2	11.8	13.1	14.6	16.2	17.9	19.8
180	10.3	11.5	13.3	14.8	16.4	18.2	20.1	22.3
200	11.4	12.7	14.7	16.3	18.2	20.2	22.4	24.8
225	12.8	14.2	16.6	18.4	20.5	22.7	25.1	27.8
250	14.2	15.8	18.4	20.4	22.7	25.1	27.9	30.8
280	16.0	17.8	20.6	22.8	25.4	28.1	31.3	34.6
315	17.9	19.8	23.2	25.7	28.6	31.6	35.1	38.9
355	20.2	22.4	26.1	28.9	32.3	35.7	39.7	43.8
400	22.8	25.2	29.4	35.5	36.4	40.2	44.7	49.3
450	25.6	28.3	33.1	36.6	41.0	45.3	50.3	55.5
500	28.5	31.5	36.8	40.6	45.5	50.2	55.8	61.5

Salient Features

Poly Ethylene Pipes are used world over for natural gas distribution at 4 Bar Pressure, due to their excellent technical and operation advantages as a pipe material.

- Flexible : Easy to handle
- Corrosion Resistant : Tough and highly reliable in aggressive soils.
- Fusion Joints : High Integrity and reliability
- Light Weight : Light in weight as compared to metal pipes.
- Crack Resistant : Excellent resistant to subsidence, traffic vibrations, point loading and marshy ground.
- Homogenous : Leakage free joints
- Installation : Low installation cost



HDPE SPRINKLER SYSTEM IS : 17425:2020



Worldwide HDPE Sprinkler System is found to be the best method to get maximum yield at a low cost. It has been observed that, a sprinkler system can irrigate 2 to 3 times more farm land in the same quantum of water. The sprinkler helps in cleaning the surface of the plants, thereby helping them in easy photosynthesis. This results in greater yield. In winter season, the sprinkler system saves the surface of the plants from accumulation of frozen water and in summers it saves evaporation of water to the tune of 40%. The sprinkler system spreads the water in the farmland uniformly and thus saves the plants from water clogging and scarcity. Maximum water reaches the roots of the plants.

Product Range

HDPE Sprinkler pipes are available in sizes ranging from 40mm to 200mm outer diameter and pressure rating from Class I to IV, PN 2.5, PN 3.2, PN 4.0, PN 6.0 (Part I & II) with complete range to fittings.

	Class 1 (2.5)		Class 2 (3.2)		Class 3 (4)		Class 4 (6)	
	Wall Thickness		Wall Thickness		Wall Thickness		Wall Thickness	
DIA Min.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
40	-	-	-	-	-	-	2.3	2.8
50	-	-	-	-	2.0	2.4	2.9	3.4
63	-	-	2.0	2.4	2.5	2.9	3.8	4.4
75	2.0	2.4	2.5	2.9	3.0	3.4	4.5	5.2
90	2.2	2.6	2.9	3.4	3.5	4.1	5.3	6.1
110	2.7	3.2	3.4	3.9	4.2	4.8	6.5	7.4
125	3.1	3.6	3.8	4.5	4.8	5.5	7.4	8.3
140	3.5	4.1	4.3	5.0	5.4	6.1	8.3	9.3
160	3.9	4.5	4.9	5.6	6.2	7.0	9.4	10.6
180	4.4	5.0	5.5	6.3	6.9	7.8	10.6	11.2
200	4.9	5.6	6.1	7.0	7.7	8.7	11.8	13.2

Associated Accessories

- Coupled Bend
- Coupled Tee
- End Caps
- Riser Pipe
- Sprinkler Nozzle
- Pump Connecting Nipple (PCN) / Screwed Coupler
- Sprinkler attachment with foot batton

Advantages

- Saving in use of water 40% to 50%
- Saving in time, labour
- Saving in electricity
- Increase in production of crops
- Easy water distribution



SWR PIPES & FITTINGS IS: 13592-2013



SWR Pipes and fittings are manufactured by compounding uPVC resin along with chemicals such as heat stabilizers, processing aids, lubricants, benzotriazole, phosphite based UV stabilizers, pigments and carbon black UV stabilizers which noticeably improves the light stability of uPVC, prevents yellowing, imbrilflement and loss of mechanical strength.

Product Range

Selfit: These pipes have bell type socket at one end. Available in 40 to 160mm sizes.

Ring-o-socket: These pipes have ring type socket at one end. Available in 40 to 160mm sizes.

Advantages

- Easy to install
- Highly resistant to chemical, acid, alkalies, cement, lime, oils and domestic effluents.
- Free flow and durable
- Unaffected by terminate, bacteria and fungus.

Pipe Specification (As per IS:13592-2013)

Nominal Outside Diameter (in mm)	Mean Outside Diameter (in mm)		Wall Thickness (mm)			
			Type A		Type B	
	Min.	Max.	Min.	Max.	Min.	Max.
40	40.0	40.3	1.8	2.2	3.2	3.8
50	50.0	50.3	1.8	2.2	3.2	3.8
63	63.0	63.3	1.8	2.2	3.2	3.8
75	75.0	75.3	1.8	2.2	3.2	3.8
90	90.0	90.3	1.9	2.3	3.2	3.8
110	110.0	110.4	2.2	2.7	3.2	3.8
125	125.0	125.4	2.5	3.0	3.2	3.8
140	140.0	140.5	2.9	3.4	3.6	4.2
160	160.0	160.5	3.2	3.8	4.0	4.6



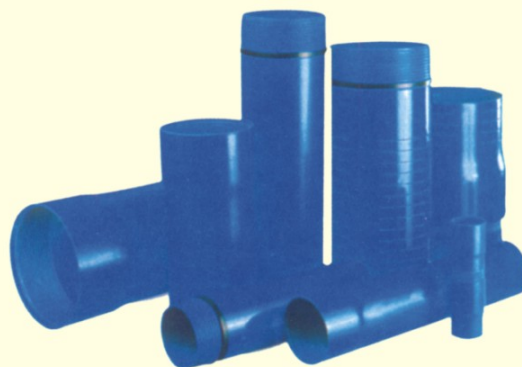
uPVC BLUE CASING PIPE IS:12818-1992



It is made of unplasticised Poly Vinyl Chloride, Suspension grade, K value 65-67, a bulk polymer suitable for pressure pipes, uPVC has properties which allow it to be used as a replacement for any often advantage over traditional material such as cast iron, asbestos cement etc. available in Tyre cm, DN 100-200 mm, Type cs, DN 150-200 m & rs Dn 150-200 mm.

Advantages

- Smooth bore for better flow properties
- Do not support bacterial growth
- Chemical and Corrosion resistance
- High Impact strength
- Easy installation
- Long lasting
- Light weight
- Elegance
- Overall economy



Dimensions of uPVC casing Pipes CS as per IS: 12818-1992 (suitable for wells depth upto 80 meters)

Size (in Inch)	Nominal Diameter (DN (mm))	Outer Diameter of Pipe (mm)		Outer Diameter over connection	Wall Thickness (mm)	
		Min.	Max.		Min.	Max.
6	150	165.0	165.4	173.0	5.7	6.5
7	175	200.0	200.5	212.0	7.0	7.8
8	200	225.0	225.5	238.0	7.6	8.8
10	250	280.0	280.5	292.0	9.6	11.0

Dimensions of uPVC casing Pipes CS as per IS: 12818-1992 (suitable for wells depth upto 250 meters)

Size (in Inch)	Nominal Diameter (DN (mm))	Outer Diameter of Pipe (mm)		Outer Diameter over connection	Wall Thickness (mm)	
		Min.	Max.		Min.	Max.
2	50	60.0	60.2	64	4.0	4.6
3	80	88.0	88.3	94	4.0	4.6
4	100	113.0	113.3	120	5.0	5.7
5	125	140.0	140.4	150	6.5	7.3
6	150	165.0	165.4	177	7.5	8.5
7	175	200.0	200.5	215	8.8	9.8
8	200	225.0	225.5	243	10.0	11.2
10	250	280.0	280.5	298	12.5	14.0



uPVC

RIGID & ELASTOMERIC SEAL RING FIT PIPE IS:4985-2000

This pipe is made of un-plastisized Poly Vinyl Chloride (uPVC). It is a versatile plastic having an excellent combination of strength, chemical intertness and fine resistance, which gives optimum performance at very low and very high temperatures like less than 0° to 60° C for pressure rating as per IS:4985-2000.

Benefits

- Corrosion resistant pressure pipe
- Resistant to most acids, bases, salts, aliphatic solutions, oxidants and halogens,
- Best in chemical processing, planting, high purity applications, potable water systems, water and wastewater treatment, irrigation, agriculture and other industrial applications involving corrosive fluid transfer.
- Plumbing and drainage systems in the dwelling houses.
- Reliable leak proof joints.

Size

- 90 mm to 315 mm ODCL-1 plain ended & socketed pipe for solvent cement jointing.
- 63 mm to 315 mm ODCL-2 plain ended & socketed pipe for solvent cement jointing.
- 40 mm to 315 mm ODCL-3 plain ended & socketed pipe for solvent cement jointing.
- 40 mm to 315 mm ODCL-3 socket ended with elastomeric sealing ring.
- 75 mm to 315 mm CL-4 socket ended with elastomeric sealing ring.
- 20 mm to 180 mm CL-5 plain ended & elastomeric sealing ring socket ended pipe.
- 125 mm-315 mm CL-2 plain ended & elastomeric sealing.



Dimensions of Elastomeric Sealing Ring Type Unplasticized PVC Pipes as per IS:4985-2000 for use in Water Supply (All Dimensions in Millimeters)

Nominal Outside Diameter Size	Socket Inner Diameter		Min Depth of Engag ement	Wall Thickness of Pipes											
	Dia meter	Max. Min.		Class I (0.25 Mpa)		Class II (0.4 Mpa)		Class II (0.6 Mpa)		Class IV (0.8 Mpa)		Class V (1.0 Mpa)		Class IV (1.25 Mpa)	
				Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
40	-		-	-	-	-	-	1.4	1.8	1.8	2.2	2.2	2.7	2.8	3.3
50	-		-	-	-	-	-	1.7	2.1	2.3	2.8	2.8	3.3	3.4	4.0
63	63.6	+0.7 -0.0	64	-	-	1.5	1.9	2.2	2.7	2.8	3.3	3.5	4.1	4.3	5.0
75	75.6	+0.7 -0.0	67	-	-	1.8	2.2	2.6	3.1	3.4	4.0	4.2	4.9	5.1	59
90	90.7	+0.8 -0.00	70	1.3	1.7	2.1	2.6	3.1	3.7	4.0	4.6	5.0	5.7	6.1	7.1
110	110.8	+0.9 -0.0	75	1.6	2.0	2.5	3.0	3.7	4.3	4.9	5.6	6.1	7.1	7.5	8.7
125	125.9	+1.0 -0.0	78	1.8	2.2	2.9	3.4	4.3	5.0	5.6	6.4	6.9	8.0	8.5	9.8
140	140.9	+1.0 -0.0	81	2.0	2.4	3.2	3.8	4.8	5.5	6.3	7.3	7.7	8.9	9.5	11.0
160	161.0	+1.1 -0.0	86	2.3	2.8	3.7	4.3	5.4	6.2	7.2	8.3	8.8	10.2	10.9	12.6
180	181.1	+1.1 -0.0	90	2.6	3.1	4.2	4.9	6.1	7.1	8.0	9.2	9.9	11.4	12.2	14.1
200	201.2	+1.1 -0.0	94	2.9	3.4	4.6	5.3	6.8	7.9	8.9	10.3	11.0	12.7	13.6	15.7
225	226.4	+1.1 -0.0	100	3.3	3.9	5.2	6.0	7.6	8.8	10.0	11.5	12.4	14.3	15.3	17.6
250	251.5	+1.1	105	3.6	4.2	5.7	6.5	8.5	9.8	11.2	12.9	13.8	15.9	17.0	19.6
280	281.6	+1.4 -0.0	112	4.1	4.8	6.4	7.4	9.5	11.0	12.5	14.4	15.4	17.8	19.0	21.9
315	316.8	+1.5	118	4.6	5.3	7.2	8.3	10.7	12.4	14.0	16.1	17.3	19.9	21.4	24.7

Dimensions of Unplasticized PVC Pipes as per IS:4985-2000 for use in Water Supply (All Dimensions in Millimeters)

Nominal Outside Diameter	Mean Outside Diameter		Outside Diameter at Any Point		Well Thickness of Pipes											
					Class I (0.25 Mpa)		Class II (0.4 Mpa)		Class III (0.6 Mpa)		Class IV (0.8 Mpa)		Class V (1.0 Mpa)		Class VI (1.25 Mpa)	
Size	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
20	20.0	20.3	19.5	20.5	-	-	-	-	-	-	-	-	1.1	1.5	1.4	1.8
25	25.0	25.3	24.5	25.5	-	-	-	-	-	-	1.2	1.6	1.4	1.8	1.7	2.1
32	32.0	32.3	31.5	32.5	-	-	-	-	-	-	1.5	1.9	1.8	2.2	2.2	2.7
40	40.0	40.3	39.5	40.5	-	-	-	-	1.4	1.8	1.8	2.2	2.2	2.7	2.8	3.3
50	50.0	50.3	49.4	50.6	-	-	-	-	1.7	2.1	2.3	2.8	2.8	3.3	3.4	4.0
63	63.0	63.3	62.2	63.8	-	-	1.5	1.9	2.2	2.7	2.8	3.3	3.5	4.1	4.3	5.0
75	75.0	75.3	74.1	75.9	-	-	1.8	2.2	2.6	3.1	3.4	4.0	4.2	4.9	5.1	5.9
90	90.0	90.3	88.9	91.1	1.3	1.7	2.1	2.6	3.1	3.7	4.0	4.6	5.0	5.7	6.1	7.1
110	110.0	110.4	108.6	111.4	1.6	2.0	2.5	3.0	3.7	4.3	4.9	5.6	6.1	7.1	7.5	8.7
125	125.0	125.4	123.5	126.5	1.8	2.2	2.9	3.4	4.3	5.0	5.6	6.4	6.9	8.0	8.5	9.8
140	140.0	140.5	138.3	141.7	2.0	2.4	3.2	3.8	4.8	5.5	6.3	7.3	7.7	8.9	9.5	11.0
160	160.0	160.5	158.0	162.0	2.3	2.8	3.7	4.3	5.4	6.2	7.2	8.3	8.8	10.2	10.9	12.6
180	180.0	180.6	177.8	182.2	2.6	3.1	4.2	4.9	6.1	7.1	8.0	9.2	9.9	11.4	12.2	14.1
200	200.0	200.6	197.6	202.4	2.9	3.4	4.6	5.3	6.8	7.9	8.9	10.3	11.0	12.7	13.6	15.7
225	225.0	225.7	222.3	227.7	3.3	3.9	5.2	6.0	7.6	8.8	10.0	11.5	12.4	14.3	15.3	17.6
250	250.0	250.8	247.0	253.0	3.6	4.2	5.7	6.5	8.5	9.8	11.2	12.9	13.8	15.9	17.0	19.6
280	280.0	280.9	276.6	283.4	4.1	4.8	6.4	7.4	9.5	11.0	12.5	14.4	15.4	17.8	19.0	21.9
315	315.0	316.0	311.2	318.4	4.6	5.3	7.2	8.3	10.7	12.4	14.0	16.1	17.3	19.9	21.4	24.7

Approximate use of Solvent Cement per joint of uPVC Pipe

O.D. Pipe (in Millimeters)	20	25	32	40	50	63	75	90	110	140	160	180	200	225	250
Approx. No. of joints which can be made per liter of solvent cement	324	270	225	180	130	125	103	79	54	36	27	25	15	12	9



DRIP IRRIGATION SYSTEM

Advantages

- Reduces Pressure on the crop and supplies water as per need
- Saving in use of water 60% to 70 %
- Saving in Labour, Electricity & Time
- Increase in quality with more yield
- Even distribution of water

EMITTERS IS : 13487-1992

Available Sizes are

- 2 LPH Category B
- 4 LPH Category B
- 8 LPH Category B



L.L.D.P.E. LATERAL PIPES IS : 12786-89

Available Sizes are

- 12 mm ODCL-2
- 16 mm ODCL-2
- 20 mm ODCL-1, CL-2, CL-3
- 25 mm ODCL-1, CL-2, CL-3
- 32 mm ODCL-1, CL-2, CL-3



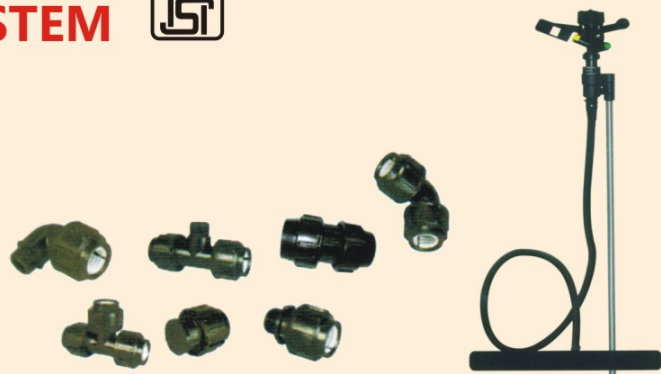
MINI SPRINKLER SYSTEM

Advantages

- Optimum use of water
- Cost of labour in preparing/Digging canals & Channels are eliminated
- Uneven land can be irrigated
- Increases quality & quantity of the crop.

Available size are

- 12 mm OD CL-2
- 16 mm OD CL-2
- 20 mm OD CL-1, CL-2, CL-3
- 25 mm OD CL-1, CL-2, CL-3
- 32 mm OD CL-1, CL-2, CL-3



LANDSCAPE IRRIGATION

- POP UP Sprinkler 250-400 lph
- Spray Zet 150-300 lph





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(AN ISO 9001:2015, ISO 4427:2007
& ISO 14001:2015 CERTIFIED COMPANY)

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