

# Polyethylene Solid Wall Pipes for Sewerage Application

*... The next generation piping*



The Supreme Industries Ltd. is an acknowledged leader of India's plastic industry. It is credited with pioneering several path breaking products and has gained a valuable experience in providing innovative and cost effective piping solutions. The Company has been a trend setter and a torch bearer in the transition from conventional to advanced plastic piping products in the country. The Company's objective is to meet the growing needs of its clientele in water and waste management and in infrastructure sector through a specially designed high performance range of piping products. The innovative product portfolio offered by Supreme is extensive in nature and applications. With its range of over 8000 products, the most comprehensive in the piping industry, Supreme caters to almost every conceivable need and application in piping.

Supreme offers complete range of PE pipes for variety of application segments like water supply, drainage, sewerage and industrial applications. Supreme PE pipes are user friendly, simple and easy to fit and equipped with many outstanding features that assures long term system performance and low maintenance cost.



## The system

Like many other products, we are pioneer in introducing complete range of underground drainage and sewerage system in India. This includes readymade inspection chambers, manholes and variety of solid wall and structured wall uPVC and PE pipes.

To fulfill the various requirements of drainage, sewerage and industrial sector, Supreme offers PE pipes as per IS 14333 standard. These pipes are made available in comprehensive range from 20 to 630mm sizes in PN 2.5 to PN 16 pressure class. These pipes are available in PE 63, PE 80 and PE 100 grades and are suitable for gravity and pressurized applications. PE pipes are considered to be the most useful for undulating terrains.

Supreme PE pipes are manufactured using virgin raw material with the state of the art manufacturing facilities. The plant is equipped with latest R & D facilities to carry out stringent tests on raw material and finished goods to ensure the quality as per national and international standards. All these activities are carried out with the help of experts in the field of polymer. Supreme strongly believes in providing uncompromising quality products and services to delight the customers.

## Features and benefits

- High reliability and proven service performance
- High impact and abrasion resistance
- Superior hydrostatic strength and excellent flow characteristics
- Excellent chemical and corrosion resistance
- Easy, quick and economical installation
- Outstanding flexibility and crush resistance
- Excellent weld-ability - Butt welded joining provides leak-free monolithic pipe systems
- Does not support microbial growth
- Excellent water hammer resistance
- Ideal in shifting soil condition and earthquake prone areas
- UV Stabilized - Provides protection from ultra violet Sunrays which makes it suitable for exposed application.

## Product Range

**Dimensions of HDPE Pipe - PE 63 as per 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	-	-	4.0	4.6	5.8	6.7	7.5	8.5	9.0	10.1	10.9	12.2	13.3	14.9
75	3.0	3.5	1.7	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	24.0	26.4	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	18.3	20.3	23.6	26.2	28.6	31.7	34.5	38.2	45.2	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	-	-	-	-	-	-	-	-
560	22.4	26.0	35.0	40.5	51.0	58.9	-	-	-	-	-	-	-	-
630	25.2	29.2	39.4	45.6	57.3	66.1	-	-	-	-	-	-	-	-

**Dimensions of HDPE Pipe - PE 80 as per 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	7.8	8.2	9.3	10.0	11.2	12.2	13.7	15.0	16.7
110	3.4	1.0	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	1.4	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	24.1	27.1	30.1	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	37.8	41.5
250	7.6	8.6	12.0	13.4	17.5	19.5	22.8	25.3	28.7	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	22.7	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	-	-	-	-
560	17.0	19.8	26.7	31.0	39.1	45.2	51.0	58.9	-	-	-	-	-	-
630	19.1	22.2	30.0	34.7	44.0	50.8	57.3	66.1	-	-	-	-	-	-

**Dimensions of HDPE Pipe - PE 100 as per IS:14333-1996**

Dia	PN 6		PN 8		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	25.5	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	-	-
560	31.7	36.7	41.5	48.0	51.0	58.9	-	-	-	-
630	35.7	41.3	46.7	54.0	57.3	68.1	-	-	-	-

**Fittings :** All the compatible fittings will be made available to cater system requirements.

## Applications



Underground sewerage application



Industrial effluents application



Pressurized sewer application



Outfall application

## Worldclass Mega Project



An aerial view of mega project at Gadegaon, Dist. Jalgaon (MS) spread over 132 acres having built up area of over 1.5 million sq. ft.

### The Supreme Industries Ltd. (Plastic Piping Division)

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