



C.R.I. PIPES

ONE STOP PIPING SOLUTION



Quality in every inch.

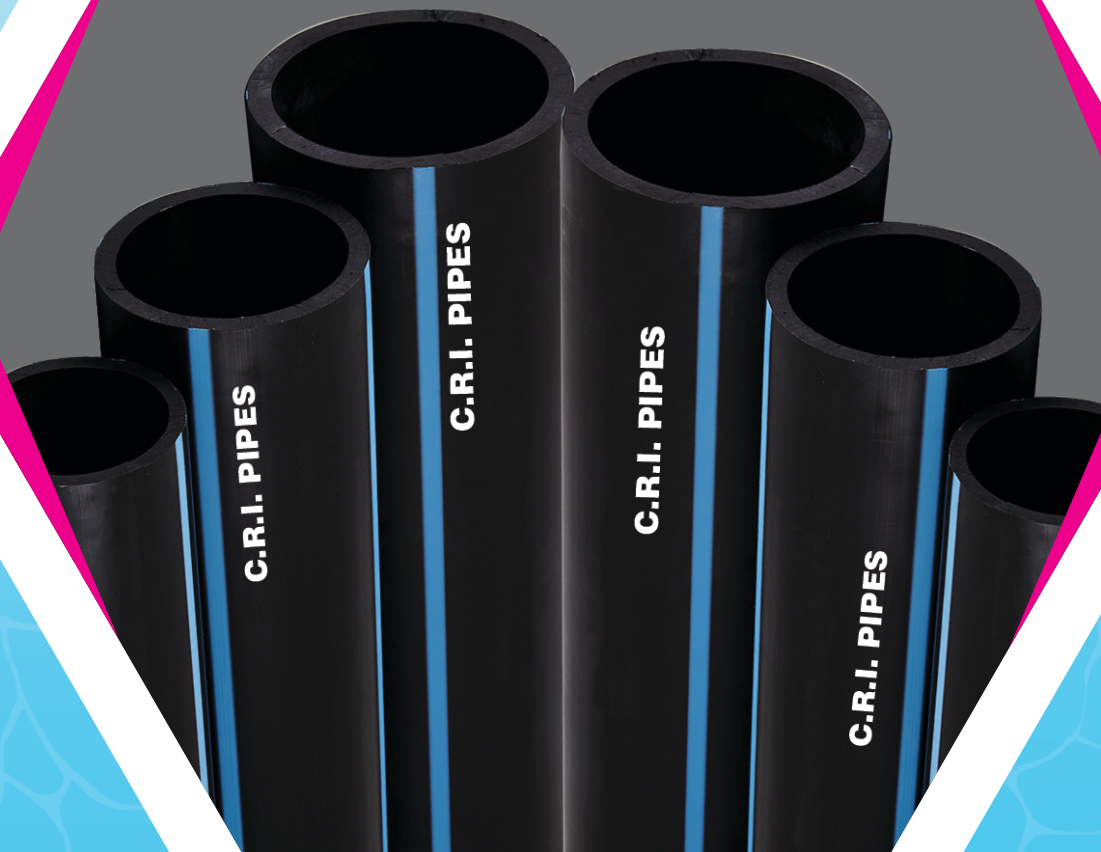
HDPE PIPES - HIGH DENSITY POLYETHYLENE

PE 63, PE 80 & PE 100 for potable water supply, agri & sprinkler irrigation

HDPE pipes are manufactured as per IS 4984:2016 standard available in 20mm to 630mm sizes in different pressure classes are used to carry potable water in domestic, rural & agriculture pipe lines. These pipes are available in PN2.5 to PN16 pressure class in PE63, PE80, and PE100 grade and are manufactured according to Indian standards.

FEATURES

- Non-Toxic & Hygienic
- Corrosion resistance
- Maintenance free
- Strong, Flexible & Light weight
- Smooth surface



STANDARD LENGTH FOR VARIOUS SIZES	Sizes in mm (OD)	PN-Kgf/cm ²	Length per roll
	20, 25, 32, 40 & 50	6kg, 8kg, & 10kg	300mtr to 1000mtr
	63 & 75	4kg, 6kg, 8kg & 10kg	200mtr to 500mtr
	90	4kg, 6kg, 8kg & 10kg	100mtr to 200mtr
	110	4kg, 6kg, 8kg & 10kg	6mtr & 100mtr

TECHNICAL DETAILS

Dimensions and pressure rating chart for HDPE Pipes PE63 as per IS 4984:2016

Nominal Outside Diameter (Nominal Size)	(SDR 41) PN 2		(SDR 33) PN 2.5		(SDR 26) PN 3.2		(SDR 21) PN 4		(SDR 17) PN 5		(SDR 13.6) PN 6		(SDR 11) PN 8	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
20	-	-	-	-	-	-	-	-	-	-	-	-	1.9	2.2
25	-	-	-	-	-	-	-	-	-	-	1.9	2.2	2.3	2.6
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	5.3	6.0	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	7.4	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
355	8.7	9.7	10.8	12.0	13.7	15.2	16.9	18.7	20.9	23.1	26.1	28.8	32.2	35.6
400	9.8	10.9	12.2	13.5	15.4	17.0	19.1	21.1	23.6	26.1	29.5	32.6	36.4	40.1
450	11.0	12.2	13.7	15.2	17.3	19.1	21.5	23.8	26.5	29.3	33.1	36.5	40.9	45.1
500	12.2	13.5	15.2	16.8	19.3	21.3	23.9	26.4	29.5	32.6	36.8	40.6	45.5	50.2
560	13.7	15.2	17.0	18.8	21.6	23.9	26.7	29.5	33.0	36.4	41.2	45.4	50.9	56.1
630	15.4	17.0	19.1	21.1	24.3	26.8	30.0	33.1	37.1	40.9	46.4	51.1	57.3	63.1

Note : Pressure Rating in : kg/cm² (10m = 1kg/cm²)

TECHNICAL DETAILS

Dimensions and pressure rating chart for HDPE Pipes PE80 as per IS 4984:2016

Nominal Outside Diameter (Nominal Size)	(SDR 41) PN 2.5		(SDR 33) PN 3.2		(SDR 26) PN 4		(SDR 21) PN 5		(SDR 17) PN 6	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
20	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	1.90	2.20
40	-	-	-	-	-	-	1.90	2.20	2.40	2.70
50	-	-	-	-	2.00	2.30	2.40	2.70	3.00	3.40
63	-	-	-	-	2.50	2.90	3.00	3.40	3.70	4.20
75	1.90	2.20	2.30	2.60	2.90	3.30	3.60	4.10	4.50	5.10
90	2.20	2.50	2.80	3.20	3.50	4.00	4.30	4.80	5.30	5.90
110	2.70	3.10	3.40	3.80	4.30	4.80	5.30	6.00	6.50	7.30
125	3.10	3.50	3.80	4.30	4.80	5.40	6.00	6.70	7.40	8.20
140	3.50	4.00	4.30	4.80	5.40	6.00	6.70	7.50	8.30	9.20
160	3.90	4.40	4.90	5.50	6.20	6.90	7.70	8.60	9.50	10.60
180	4.40	4.90	5.50	6.20	7.00	7.80	8.60	9.60	10.60	11.80
200	4.90	5.50	6.10	6.80	7.70	8.60	9.60	10.70	11.80	13.10
225	5.50	6.20	6.90	7.70	8.70	9.70	10.80	12.00	13.30	14.70
250	6.10	6.80	7.60	8.50	9.70	10.80	12.00	13.30	14.70	16.30
280	6.90	7.70	8.50	9.50	10.80	12.00	13.40	14.80	16.50	18.30
315	7.70	8.60	9.60	10.70	12.20	13.50	15.00	16.60	18.60	20.60
355	8.70	9.70	10.80	12.00	13.70	15.20	16.90	18.70	20.90	23.10
400	9.80	10.90	12.20	13.50	15.40	17.00	19.10	21.10	23.60	26.10
450	11.00	12.20	13.70	15.20	17.30	19.10	21.50	23.80	26.50	29.30
500	12.20	13.50	15.20	16.80	19.30	21.30	23.90	26.40	29.50	32.60
560	13.70	15.20	17.00	18.80	21.60	23.90	26.70	29.50	33.00	36.40
630	15.40	17.00	19.10	21.10	24.30	26.80	30.00	33.10	37.10	40.90

Note : Pressure Rating in : kg/cm² (10m = 1kg/cm²)

TECHNICAL DETAILS

Dimensions and pressure rating chart for HDPE Pipes PE100 as per IS 4984:2016

Nominal Outside Diameter (Nominal Size)	(SDR 21) PN 6		(SDR 17) PN 8		(SDR 13.6) PN 10		(SDR 11) PN 12.5		(SDR 9) PN 16	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
20	-	-	-	-	-	-	1.90	2.20	2.30	2.60
25	-	-	-	-	1.90	2.20	2.30	2.60	2.80	3.20
32	-	-	1.90	2.20	2.40	2.70	2.90	3.30	3.60	4.10
40	1.90	2.20	2.40	2.70	3.00	3.40	3.70	4.20	4.50	5.10
50	2.40	2.70	3.00	3.40	3.70	4.20	4.60	5.20	5.60	6.30
63	3.00	3.40	3.70	4.20	4.70	5.30	5.80	6.50	7.00	7.80
75	3.60	4.10	4.50	5.10	5.60	6.30	6.90	7.70	8.40	9.30
90	4.30	4.80	5.30	5.90	6.70	7.50	8.20	9.10	10.00	11.10
110	5.30	6.00	6.50	7.30	8.10	9.00	10.00	11.10	12.30	13.60
125	6.00	6.70	7.40	8.20	9.20	10.20	11.40	12.70	13.90	15.40
140	6.70	7.50	8.30	9.20	10.30	11.40	12.80	14.20	15.60	17.30
160	7.70	8.60	9.50	10.60	11.80	13.10	14.60	16.20	17.80	19.70
180	8.60	9.60	10.60	11.80	13.30	14.70	16.40	18.10	20.00	22.10
200	9.60	10.70	11.80	13.10	14.70	16.30	18.20	20.10	22.30	24.60
225	10.80	12.00	13.30	14.70	16.60	18.40	20.50	22.70	25.00	27.60
250	12.00	13.30	14.70	16.30	18.40	20.30	22.80	25.20	27.80	30.70
280	13.40	14.80	16.50	18.30	20.60	22.80	25.50	28.20	31.20	34.40
315	15.00	16.60	18.60	20.60	23.20	25.60	28.70	31.70	35.00	38.60
355	16.90	18.70	20.90	23.10	26.10	28.80	32.30	35.60	39.50	43.60
400	19.10	21.10	23.60	26.10	29.50	32.60	36.40	40.10	44.50	49.10
450	21.50	23.80	26.50	29.30	33.10	36.50	40.90	45.10	50.00	55.10
500	23.90	26.40	29.50	32.60	36.80	40.60	45.50	50.20	55.60	61.30
560	26.70	29.50	33.00	36.40	41.20	45.40	50.90	56.10	62.30	68.60
630	30.00	33.10	37.10	40.90	46.40	51.10	57.30	63.10	70.00	77.10

Note : Pressure Rating in : kg/cm² (10m = 1kg/cm²)
(Pressure Rating available from PN 3 to PN 20)



C.R.I. PIPES



- 📞 TOLL FREE 1800 121 1243
- 🌐 www.crigroups.com
- 📘 www.facebook.com/cripumps
- 🐦 www.twitter.com/cri_pumps

In view of continuous developments, the information / performance / descriptions / specifications / illustrations mentioned in this catalogue are subject to change without notice.