

# MDPE Pipes

## Specification

<b>Material</b>	Medium Density Polyethylene
<b>Grade</b>	PE100, PE80, PE63 (Special Pre-compounded Material)
<b>Size Range</b>	DN 20mm to DN 315mm
<b>Pressure Rating</b>	2.5 kg/cm <sup>2</sup> to 16 kg/cm <sup>2</sup>
<b>Temp. Range</b>	40°C to 60°C
<b>Color</b>	Blue, Black with Blue Strips, Yellow
<b>Pipe in Form</b>	As per customer requirement

Conforms to as per ISO 4427: 2007, IS 4984 : 2016, DIN 8074 standards or as specified by customer certified to be 100 % Safe for Drinking Water



Standard Dimensions Table (ISO 4427-2 / BS EN12201-2 / AS 4130)

SDR		SDR 9	SDR 11	SDR 13.6	SDR 17	SDR 21	SDR 26	SDR 33	SDR 41										
SERIES		S 4	S 5	S 6.3	S 8	S 10	S 12.5	S 16	S 20										
Nominal Pressure (PN) BAR																			
PE 80		PN 16	PN 12.5	PN 10	PN 8	PN 6	PN 5	PN 4	PN 3.2										
PE 100		PN 20	PN 16	PN 12.5	PN 10	PN 8	PN 6	PN 5	PN 4										
O.D.		Avg.		Wall Thickness in MM															
Min.	Max.	O.D.	Ovality	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
mm	mm	mm	mm	Min	max	Min	max	Min	max	Min	max	Min	max	Min	max	Min	max	Min	max
20	20.3	20.15	1.2	2.3	2.7	2	2.3												
25	25.3	25.15	1.2	3.0	3.4	2.3	2.7	2	2.3										
32	32.3	32.15	1.3	3.6	4.1	3.0	3.4	2.4	2.8	2	2.3								
40	40.4	40.20	1.4	4.5	5.1	3.7	4.2	3.0	3.5	2.4	2.8	2.0	2.3						
50	50.4	50.2	1.4	5.6	6.3	4.6	5.2	3.7	4.2	3	3.4	2.4	2.8	2	2.3				
63	63.4	63.20	1.5	7.1	8.0	5.8	6.5	4.7	5.3	3.8	4.3	3.0	3.4	2.5	2.9				
75	75.5	75.25	1.6	8.4	9.4	6.8	7.6	5.6	6.3	4.5	5.1	3.6	4.1	2.9	3.3				
90	90.6	90.3	1.8	10.1	11.3	8.2	9.2	6.7	7.5	5.4	6.1	4.3	4.9	3.5	4				
110	110.7	110.35	2.2	12.3	13.7	10	11.1	8.1	9.1	6.6	7.4	5.3	6.0	4.2	4.8				
125	125.8	125.4	2.5	14.0	15.6	11.4	12.7	9.2	10.3	7.4	8.3	6.0	6.7	4.8	5.4				
140	140.9	140.45	2.8	15.7	17.4	12.7	14.1	10.3	11.5	8.3	9.3	6.7	7.5	5.4	6.1				
160	161	160.5	3.2	17.9	19.8	14.6	16.2	11.8	13.1	9.5	10.6	7.7	8.6	6.2	7				
180	181.1	180.55	3.6	20.1	22.3	16.4	18.2	13.3	14.8	10.7	11.9	8.6	9.6	6.9	7.7				
200	201.2	200.6	4	22.4	24.8	18.2	20.2	14.7	16.3	11.9	13.2	9.6	10.7	7.7	8.6				
225	226.4	225.7	4.5	25.2	27.9	20.5	22.7	16.6	18.4	13.4	14.9	10.8	12	8.6	9.6				
250	251.5	250.75	5	27.9	30.8	22.7	25.1	18.4	20.4	14.8	16.4	11.9	13.2	9.6	10.7				
280	281.7	280.85	9.8	31.3	34.6	25.4	28.1	20.6	22.8	16.6	18.4	13.4	14.9	10.7	11.9				
315	316.9	315.95	11.1	35.2	38.9	28.6	31.6	23.2	25.7	18.7	20.7	15.0	16.6	12.1	13.5	9.7	10.8	7.7	8.6
355	357.2	356.1	12.5	39.7	43.8	32.3	35.6	26.1	28.9	21.1	23.4	16.9	18.7	13.6	15.1	10.9	12.1	8.7	9.7
400	402.4	401.20	14	44.7	49.3	36.3	40.1	29.4	32.5	23.7	26.2	19.1	21.2	15.3	17	12.3	13.7	9.8	10.9
450	452.7	451.35	15.6	50.3	55.5	40.9	45.1	33.1	36.6	26.7	29.5	21.5	23.8	17.2	19.1	13.8	15.3	11	12.2
500	503	501.5	17.5	55.8	61.5	45.4	50.1	36.8	40.6	29.7	32.8	23.9	26.4	19.1	21.2	15.3	17	12.3	13.7
560	563.4	561.7	19.6	62.5	68.9	50.8	56	41.2	45.5	33.2	36.7	26.7	29.5	21.4	23.7	17.2	19.1	13.7	15.2
630	633.8	631.9	22.1	70.3	77.5	57.2	63.1	46.3	51.1	37.4	41.3	30.0	33.1	24.1	26.7	19.3	21.4	15.4	17.1
710	716.4	713.20	24.9	79.3	87.4	64.5	71.1	52.2	57.6	42.1	46.5	33.9	37.4	27.2	30.1	21.8	24.1	17.4	19.3
800	807.2	803.6		89.3	98.4	72.6	80	58.8	64.8	47.4	52.3	38.1	42.1	30.6	33.8	24.5	27.1	19.6	21.7
900	908.1	904.05				81.7	90	66.2	73	53.3	58.8	42.9	47.3	34.4	38.3	27.6	30.5	22	24.3
1000	1009	1004.5				90.8	100	73.5	80.9	59.3	65.4	47.7	52.6	38.2	42.2	30.6	33.5	24.5	27.1

