

## Details of PE Pipes According to ISO 4427 - 2 : 2007(E)

SDR	6	7.4	9	11	13.6	17	21	26	33	41
Pipe Series (S)	2.5	3.2	4	5	6.3	8	10	12.5	16	20
Nominal Pressure (P N) <sup>a</sup> (bar)										
PE 80	PN 25	PN 20	PN 16	PN 12.5	PN 10	PN 8	PN 6 <sup>c</sup>	PN 5	PN 4	PN 3.2
PE 100	-	PN 25	PN 20	PN 16	PN 12.5	PN 10	PN 8	PN 6 <sup>c</sup>	PN 5	PN 4
Nominal size / OD (mm)	Wall Thickness <sup>e</sup> min (mm)									
20	3.4	3.0	2.3 <sup>b</sup>	2.0	-	-	-	-	-	-
25	4.2	3.5	3.0	2.3 <sup>b</sup>	2.0 <sup>b</sup>	-	-	-	-	-
32	5.4	4.4	3.6	3.0	2.4	2.0	-	-	-	-
40	6.7	5.5	4.5	3.7	3.0	2.4	2.0	-	-	-
50	8.3	6.9	5.6	4.6	3.7	3.0	2.4	2.0	-	-
63	10.5	8.6	7.1	5.8	4.7	3.8	3.0	2.5	-	-
75	12.5	10.3	8.4	6.8	5.6	4.5	3.6	2.9	-	-
90	15.0	12.3	10.1	8.2	6.7	5.4	4.3	3.5	-	-
110	18.3	15.1	12.3	10.0	8.1	6.6	5.3	4.2	-	-
125	20.8	17.1	14.0	11.4	9.2	7.4	6.0	4.8	-	-
140	23.3	19.2	15.7	12.7	10.3	8.3	6.7	5.4	-	-
160	26.6	21.9	17.9	14.6	11.8	9.5	7.7	6.2	-	-
180	29.9	24.6	20.1	16.4	13.3	10.7	8.6	6.9	-	-
200	33.2	27.4	22.4	18.2	14.7	11.9	9.6	7.7	-	-
225	37.4	30.8	25.2	20.5	16.6	13.4	10.8	8.6	-	-
250	41.5	34.2	27.9	22.7	18.4	14.8	11.9	9.6	-	-
280	46.5	38.3	31.3	25.4	20.6	16.6	13.4	10.7	-	-
315	52.3	43.1	35.2	28.6	23.2	18.7	15.0	12.1	9.7	7.7
355	59.0	48.5	39.7	32.2	26.1	21.1	16.9	13.6	10.9	8.7
400	-	54.7	44.7	36.4	29.4	23.7	19.1	15.3	12.3	9.8
450	-	61.5	50.3	40.9	33.1	26.7	21.5	17.2	13.8	11.0
500	-	-	55.8	45.4	36.8	29.7	23.9	19.1	15.3	12.3
560	-	-	62.5	50.8	41.2	33.2	26.7	21.4	17.2	13.7
630	-	-	70.3	57.2	46.3	37.4	30.0	24.1	19.3	15.4
710	-	-	79.3	64.5	52.2	42.1	33.9	27.2	21.8	17.4
800	-	-	89.3	72.6	58.8	47.4	38.1	30.6	24.5	19.6
900	-	-	-	81.7	66.2	53.3	42.9	34.4	27.6	22.0
1000	-	-	-	90.2	72.5	59.3	47.7	38.2	30.6	24.5
1200	-	-	-	-	88.2	70.6	57.2	45.9	36.7	29.4
1400	-	-	-	-	102.9	82.4	66.7	53.5	42.9	34.3
1600	-	-	-	-	117.6	94.1	76.2	61.2	49.0	39.2
1800	-	-	-	-	-	105.9	85.17	69.1	54.5	43.8
2000	-	-	-	-	-	117.6	95.2	76.9	60.6	48.8

Note : Pipe sizes above 1200mm can be manufactured as per customer requirements

<sup>a</sup>= PN values are based on C = 1.25

<sup>b</sup>= The calculated value of <sup>e</sup>min according to ISO 4065 is rounded up to the nearest value of either 2.0, 2.3 or 3.0. This is to satisfy certain national requirements. For practical reasons, a wall thickness of 3.0mm is recommended for electrofusion joining and lining applications

<sup>c</sup>= Actual calculated values are 6.4 bar for PE 100 and 6.3 bar for PE 80

1 bar = 0.1 MPa; 1MPa = 10<sup>2</sup>a; 1MPa = 1 N/mm<sup>2</sup>