

Water Line

HDPE Pipe Technical Data as per ISO 4427:

Pipe Sizes & Corresponding Wall Thickness at Different SDRs is as follows: SD-PEPW

SDR	Outside Diameter		SDR 41		SDR 33		SDR 26		SDR 21		SDR 17		SDR 13.6		SDR 11		SDR 9		SDR 7.4	
PN for PE 100			PN4		PN5		PN6		PN8		PN10		PN12.5		PN16		PN20		PN25	
Nominal Size L mm			Wall Thickness		Wall Thickness		Wall Thickness		Wall Thickness		Wall Thickness		Wall Thickness		Wall Thickness		Wall Thickness		Wall Thickness	
	Min mm	MAX mm	Min mm	MAX mm	Min mm	MAX mm	Min mm	MAX mm	Min mm	MAX mm	Min mm	MAX mm	Min mm	MAX mm	Min mm	MAX mm	Min mm	MAX mm	Min mm	MAX mm
16	16	16.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2.3	2.3	2.7
20	20	20.3	-	-	-	-	-	-	-	-	-	-	-	-	2	2.3	2.3	2.7	3	3.4
25	25	25.3	-	-	-	-	-	-	-	-	-	-	2	2.3	2.3	2.7	3	3.4	3.5	4
32	32	32.3	-	-	-	-	-	-	-	-	2	2.3	2.4	2.8	3	3.4	3.6	4.1	4.4	5
40	40	40.4	-	-	-	-	-	-	2	2.3	2.4	2.8	3	3.5	3.7	4.2	4.5	5.1	5.5	6.2
50	50	50.4	-	-	-	-	2	2.3	2.4	2.8	3	3.4	3.7	4.2	4.6	5.2	5.6	6.3	6.9	7.7
63	63	63.4	-	-	-	-	2.5	2.9	3	3.4	3.8	4.3	4.7	5.3	5.8	6.5	7.1	8	8.6	9.6
75	75	75.5	-	-	-	-	2.9	3.3	3.6	4.1	4.5	5.1	5.6	6.3	6.8	7.6	8.4	9.4	10.3	11.5
90	90	90.6	-	-	-	-	3.5	4	4.3	4.9	5.4	6.1	6.7	7.5	8.2	9.2	10.1	11.3	12.3	13.7
110	110	110.7	-	-	-	-	4.2	4.8	5.3	6	6.6	7.4	8.1	9.1	10	11.1	12.3	13.7	15.1	16.8
125	125	125.8	-	-	-	-	4.8	5.4	6	6.7	7.4	8.3	9.2	10.3	11.4	12.7	14	15.6	17.1	19
140	140	140.9	-	-	-	-	5.4	6.1	6.7	7.5	8.3	9.3	10.3	11.5	12.7	14.1	15.7	17.4	19.2	21.3
160	160	161	-	-	-	-	6.2	7	7.7	8.6	9.5	10.6	11.8	13.1	14.6	16.2	17.9	19.8	21.9	24.2
180	180	181.1	-	-	-	-	6.9	7.7	8.6	9.6	10.7	11.9	13.3	14.8	16.4	18.2	20.1	22.3	24.6	27.2
200	200	201.2	-	-	-	-	7.7	8.6	9.6	10.7	11.9	13.2	14.7	16.3	18.2	20.2	22.4	24.8	27.4	30.3
225	225	226.4	-	-	-	-	8.6	9.6	10.8	12	13.4	14.9	16.6	18.4	20.5	22.7	25.2	27.9	30.8	34
250	250	251.5	-	-	-	-	9.6	10.7	11.9	13.2	14.8	16.4	18.4	20.4	22.7	25.1	27.9	30.8	34.2	37.8
280	280	281.7	-	-	-	-	10.7	11.9	13.4	14.9	16.6	18.4	20.6	22.8	25.4	28.1	31.3	34.6	38.3	42.3
315	315	316.9	7.7	8.6	9.7	10.8	12.1	13.5	15	16.6	18.7	20.7	23.2	25.7	28.6	31.6	35.2	38.9	43.1	47.6
355	355	357.2	8.7	9.7	10.9	12.1	13.6	15.1	16.9	18.7	21.1	23.4	26.1	28.9	32.2	35.6	39.7	43.8	48.5	53.5
400	400	402.4	9.8	10.9	12.3	13.7	15.3	17	19.1	21.2	23.7	26.2	29.4	32.5	36.3	40.1	44.7	49.3	54.7	60.3
450	450	452.7	11	12.2	13.8	15.3	17.2	19.1	21.5	23.8	26.7	29.5	33.1	36.6	40.9	45.1	50.3	55.5	61.5	67.8
500	500	503	12.3	13.7	15.3	17	19.1	21.2	23.9	26.4	29.7	32.8	36.8	40.6	45.4	50.1	55.8	61.5	68.2	75.4
560	560	563.4	13.7	15.2	17.2	19.1	21.4	23.7	26.7	29.5	34.3	37.8	41.2	46.1	50.8	56	62.5	68.9	-	-
630	630	633.8	15.4	17.1	19.3	21.4	24.1	26.7	30	33.1	37.4	41.3	46.3	51.1	57.2	63.1	70.3	77.5	-	-

Note:

Refer to EQM & WRAS certificates for more information. PN values are based on C=1.25. Tolerances in accordance with grade V of ISO 11922-1:1997. The calculated value of e-min (ISO 4085:1998) 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 3.00 mm is recommended for Electro-Fusion jointing and lining applications. Up to 110mm OMAN THERM pipes are also available in coils. Please contact us for more information.