

PN	4			6.3			8			10			12.5			16			20			25			PN
SDR	41			26			21			17			13.6			11			9			7.4			SDR
Outer Diameter (mm)	Min Wall Thickness (mm)	Mean ID (mm)	Weight Avg (kg/m)	Min Wall Thickness (mm)	Mean ID (mm)	Weight Avg (kg/m)	Min Wall Thickness (mm)	Mean ID (mm)	Weight Avg (kg/m)	Min Wall Thickness (mm)	Mean ID (mm)	Weight Avg (kg/m)	Min Wall Thickness (mm)	Mean ID (mm)	Weight Avg (kg/m)	Min Wall Thickness (mm)	Mean ID (mm)	Weight Avg (kg/m)	Min Wall Thickness (mm)	Mean ID (mm)	Weight Avg (kg/m)	Min Wall Thickness (mm)	Mean ID (mm)	Weight Avg (kg/m)	Outer Diameter (mm)
16																1.6	12.7	0.08	1.8	12.3	0.08	2.2	11.4	0.1	16
20													1.6	16.7	0.1	1.9	16	0.11	2.3	15.2	0.13	2.8	14.2	0.16	20
25									1.6		21.7	0.12	1.9	21	0.14	2.3	20.2	0.17	2.8	19.2	0.2	3.5	17.7	0.24	25
32						1.6		28.7	0.16	1.9	28	0.19	2.4	27	0.23	2.9	26	0.27	3.6	24.5	0.33	4.4	22.8	0.39	32
40						1.9		36.1	0.24	2.4	35	0.3	3	33.8	0.36	3.7	32.3	0.43	4.5	30.6	0.52	5.5	28.5	0.61	40
50						2.4		45	0.38	3	43.9	0.46	3.7	42.4	0.55	4.6	40.4	0.67	5.6	38.4	0.8	6.9	35.7	0.95	50
63			2.4		58.1	0.48	3	56.9	0.58	3.8	55.2	0.73	4.7	53.3	0.88	5.8	51	1.07	7.1	48.2	1.28	8.6	45.1	1.5	63
75			2.9		69.2	0.68	3.6	67.7	0.83	4.5	65.8	1.03	5.5	63.7	1.23	6.8	61	1.49	8.4	57.6	1.79	10.3	53.6	2.13	75
90			3.5		83	0.99	4.3	81.3	1.2	5.4	79	1.48	6.6	76.5	1.77	8.2	73	2.16	10.1	69.1	2.59	12.3	64.5	3.05	90
110	2.7	104.7	0.95	4.3	101.3	1.48	5.3	99.2	1.8	6.6	96.5	2.2	8.1	93.3	2.66	10	89.4	3.2	12.3	84.5	3.84	15.1	78.6	4.57	110
125	3.1	118.9	1.24	4.8	115.4	1.86	6	112.9	2.3	7.4	109.9	2.8	9.2	106.1	3.42	11.4	101.5	4.15	14	96.1	4.96	17.1	89.5	5.88	125
140	3.5	133.2	1.56	5.4	129.2	2.35	6.7	126.5	2.87	8.3	123	3.52	10.3	118.9	4.29	12.7	113.9	5.17	15.7	107.6	6.23	19.2	100.2	7.39	140
160	4	152.3	2.02	6.2	147.6	3.08	7.7	144.5	3.77	9.5	140.7	4.59	11.8	135.9	5.6	14.6	130	6.78	17.9	123	8.11	21.9	114.7	9.62	160
180	4.4	171.5	2.51	6.9	166.3	3.84	8.6	163.1	4.74	10.7	158.3	5.81	13.3	152.8	7.1	16.4	146.3	8.58	20.1	138.5	10.26	24.6	129.1	12.16	180
200	4.9	190.5	3.08	7.7	184.6	4.76	9.6	180.6	5.87	11.9	175.8	7.16	14.7	170	8.71	18.2	162.5	10.57	22.4	153.7	12.68	27.3	143.4	15	200
225	5.5	214.4	3.9	8.6	207.9	5.98	10.8	203.3	7.42	13.4	197.8	9.09	16.6	191	11.06	20.5	182.9	13.39	25.1	173.2	16	30.8	161.3	19.02	225
250	6.2	238	4.89	9.6	230.9	7.41	11.9	226	9.08	14.8	220	11.14	18.4	212.4	13.63	22.7	203.4	16.46	27.9	192.5	19.73	34.2	179.2	23.48	250
280	6.9	266.7	6.06	10.7	258.7	9.25	13.4	253	11.46	16.6	246.3	13.99	20.6	237.9	17.08	25.4	227.8	20.64	31.3	215.4	24.8	38.3	200.7	29.44	280
315	7.7	300.2	7.62	12.1	290.9	11.78	15	284.9	14.4	18.7	276.6	17.72	23.2	267.6	21.64	28.6	256.3	26.13	35.2	242.4	31.38	43	226.1	37.16	315
355	8.7	338.2	9.69	13.6	327.9	14.88	16.9	321	18.28	21.1	312.1	22.55	26.1	301.6	27.43	32.2	288.8	33.16	39.6	273.3	39.76	48.5	254.6	47.24	355
400	9.8	380	12.28	15.3	369.5	18.88	19.1	361.5	23.31	23.7	351.9	28.5	29.4	339.9	34.79	36.3	325.4	42.1	44.7	307.8	50.55	54.6	287	59.92	400
450	11	428.9	15.49	17.2	415.8	23.87	21.5	406.8	29.48	26.7	395.9	36.11	33.1	382.4	44.07	40.9	366.1	53.31	50.2	346.5	63.9	61.5	322.8	75.92	450
500	12.3	476.3	19.28	19.1	462	29.45	23.9	452	36.37	29.6	439.9	44.48	36.8	424.9	54.38	45.4	406.8	65.78	55.8	385	48.86				500
560	13.7	533.6	24	21.4	517.4	36.91	26.7	506.4	45.52	33.2	492.7	55.89	41.2	475.8	68.22	50.8	455.8	82.4	62.5	430.3	98.93				560
630	15.4	600.4	30.37	24.1	582.1	46.77	30	569.8	57.5	37.3	554.4	70.62	46.3	535.5	86.23	57.2	512.6	104.42	70.3	484.1	125.2				630
710	17.4	676.5	38.65	27.2	655.9	59.45	33.9	641.9	73.22	42.1	624.6	89.82	52.2	603.4	109.55	64.5	577.6	132.64	79.3	546.5	159.13				710
800	19.6	762.3	49.01	30.6	739.2	75.29	38.1	723.4	92.8	47.4	703.9	113.89	58.8	680	138.96	72.5	651	168.11	89.3	615.9	201.9				800
900	22	857.8	61.81	34.4	831.7	95.23	42.9	813.9	117.42	53.5	791.7	144.55	66.2	764.9	176.04	81.7	732.4	212.91							900
1000	24.5	952.9	76.54	38.2	924.1	117.5	47.7	904.2	145.07	59.3	879.8	178.06	72.5	852.1	214.41	90.3	814.9	261.4							1000
1200	29.4	1143.1	110.14	45.9	1108.5	169.18	57.2	1084.7	208.73	67.9	1062.7	245.17	88.2	1020	312.54										1200
1400	34.4	1332.6	150.19	53.2	1293.1	239.54	66.7	1266.1	283.64	82.4	1233.1	346.07													1400
1600	39.3	1522.3	195.75	61.3	1476.1	300.95	76.2	1447	370.23	94.1	1409.4	451.49													1600
1800	43.8	1716		69.1	1662.8		85.7	1628	468.94																1800
2000	48.8	1906.4		76.9	1847.4		95.2	1808.9	578.91																2000

Note: No guarantee of accuracy, confirm dimensions with other sources.

<https://github.com/IMEConsultants/AS4130-HDPE-PIPE>

MAXIMUM ALLOWABLE DESIGN PRESSURE (MAOP). C=1.25 @ 20c Water			
PRESSURE CLASS	NOMINAL WORKING PRESSURE		
PN	kPa	MPa	metres head
3.2	320	0.32	33
4	400	0.4	41
6.3	630	0.63	64
8	800	0.8	82
10	1000	1	102
12.5	1250	1.25	127
16	1600	1.6	163
20	2000	2	204
25	2500	2.5	255

Note: MAOP = PN x 0.125 / C  
C = Design Factor