Vinidex Systems & Solutions

Polyethylene Pipe Dimensions (based on AS/NZS 4130-1997, Polyethylene pipes for pressure applications.)

Nominal Size DN	SDR 41		SDR 33		SDR 26		SDR 21		SDR 17		SDR 13.6		SDR 11		SDR 9		SDR 7.4	
	Min. Wall Thickness (mm)	Mean I.D. (mm)	Min. Wall Thickness (mm)	Mean I.D. (mm)	Min. Wall Thickness (mm)	Mean I.D. (mm)	Min. Wall Thickness (mm)	Mean I.D. (mm)	Min. Wall Thickness (mm)	Mean I.D. (mm)	Min. Wall Thickness (mm)	Mean I.D. (mm)	Min. Wall Thickness (mm)	Mean I.D. (mm)	Min. Wall Thickness (mm)	Mean I.D. (mm)	Min. Wall Thickness (mm)	Mean I.D. (mm)
16	1.6	13	1.6	13	1.6	13	1.6	13	1.6	13	1.6	13	1.6	13	1.8	12	2.2	11
20	1.6	17	1.6	17	1.6	17	1.6	17	1.6	17	1.6	17	1.9	16	2.3	15	2.8	14
25	1.6	22	1.6	22	1.6	22	1.6	22	1.6	22	1.9	21	2.3	20	2.8	19	3.5	18
32	1.6	29	1.6	29	1.6	29	1.6	29	1.9	28	2.4	27	2.9	26	3.6	24	4.4	23
40	1.6	37	1.6	37	1.6	37	1.9	36	2.4	35	3.0	34	3.7	32	4.5	31	5.5	28
50	1.6	47	1.6	47	2.0	46	2.4	45	3.0	44	3.7	42	4.6	40	5.6	38	6.9	35
63	1.6	60	2.0	59	2.4	58	3.0	57	3.8	55	4.7	53	5.8	51	7.1	48	8.6	45
75	1.9	71	2.3	70	2.9	69	3.6	67	4.5	66	5.5	63	6.8	61	8.4	58	10.3	53
90	2.2	86	2.8	84	3.5	83	4.3	81	5.4	78	6.6	76	8.2	73	10.1	69	12.3	65
110	2.7	105	3.4	103	4.3	101	5.3	99	6.6	96	8.1	93	10.0	89	12.3	84	15.1	78
125	3.1	119	3.9	117	4.8	115	6.0	113	7.4	110	9.2	106	11.4	101	14.0	96	17.1	89
140	3.5	133	4.3	131	5.4	129	6.7	126	8.3	123	10.3	118	12.7	114	15.7	108	19.2	99
160	4.0	152	4.9	150	6.2	148	7.7	144	9.5	140	11.8	136	14.6	130	17.9	123	21.9	114
180	4.4	171	5.5	169	6.9	166	8.6	163	10.7	158	13.3	153	16.4	145	20.1	138	24.6	128
200	4.9	190	6.2	188	7.7	184	9.6	180	11.9	175	14.7	170	18.2	162	22.4	154	27.3	143
225	5.5	215	6.9	211	8.6	207	10.8	203	13.4	198	16.6	191	20.5	183	25.1	173	30.8	161
250	6.2	238	7.7	235	9.6	230	11.9	225	14.8	219	18.4	212	22.7	203	27.9	192	34.2	179
280	6.9	267	8.6	263	10.7	258	13.4	253	16.6	246	20.6	238	25.4	228	31.3	215	38.3	200
315	7.7	300	9.7	296	12.1	290	15.0	285	18.7	278	23.2	268	28.6	256	35.2	242	43.0	226
355	8.7	338	10.9	333	13.6	328	16.9	320	21.1	311	26.1	301	32.2	289	39.6	273	48.5	255
400	9.8	380	12.3	376	15.3	370	19.1	362	23.7	351	29.4	340	36.3	326	44.7	307	54.6	287
450	11.0	429	13.8	422	17.2	415	21.5	406	26.7	395	33.1	382	40.9	366	50.2	347	61.5	322
500	12.3	476	15.3	470	19.1	462	23.9	452	29.6	440	36.8	424	45.4	407	55.8	384	-	-
560	13.7	534	17.2	526	21.4	518	26.7	506	33.2	494	41.2	475	50.8	455	-	-	-	-
630	15.4	600	19.3	592	24.1	582	30.0	570	37.3	554	46.3	535	57.2	512	-	-	-	-
710	17.4	676	21.8	667	27.2	656	33.9	641	42.1	624	52.2	603	-	-	-	-	-	-
800	19.6	762	24.5	752	30.6	739	38.1	723	47.4	704	58.8	679	-	-	-	-	-	-
900	22.0	858	27.6	846	34.4	831	42.9	814	53.5	791	-	-	-	-	-	-	-	-
1000	24.5	953	30.6	940	38.2	924	47.7	904	59.3	880	-	-	-	-	-	-	-	-

SDR – Nominal ratio of outside diameter to wall thickness. **ID – internal diameter**

Pipe Dimensions

Table 4.2 PE Pipe Dimensions AS/NZS 4130

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