

Polyethylen Pipes specification

Wall Thickness & Mass Table According To ISO4427, DIN 8074:1999

PIPE	20			16			12.5			10			8			6.3			5			4			3.2			2.5		
SDR	41			33			26			21			17			13.6			11			9			7.4			6		
PE 80	PN 3.2			PN 4			PN 5			PN 6			PN 8			PN 10			PN 12.5			PN 16			PN 20			PN 25		
PE 100	PN 4			PN 5			PN 6			PN 8			PN 10			PN 12.5			PN 16			PN 20			PN 25			-----		
d	e _{min}	e _{max}	Mas s	e _{min}	e _{max}	Mass	e _{min}	e _{max}	Mass	e _{min}	e _{max}	Mass	e _{min}	e _{max}	Mass	e _{min}	e _{max}	Mass	e _{min}	e _{max}	Mass	e _{min}	e _{max}	Mass	e _{min}	e _{max}	Mass	e _{min}	e _{max}	Mass
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1) 2.0	2.3	0.089	1) 2.3	2.7	0.101	1) 3.0	3.4	0.123
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1) 2.0	2.3	0.115	2.3	2.7	0.133	1) 3.0	3.4	0.161	3.4	3.9	0.180
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1) 2.0	2.3	0.147	2.3	2.7	0.171	1) 3.0	3.4	0.209	3.5	4.0	0.240	4.2	4.8	0.278
32	—	—	—	—	—	—	—	—	—	—	—	—	1) 2.0	2.3	0.192	2.4	2.8	0.232	1) 3.0	3.4	0.275	3.6	4.1	0.327	4.4	5.0	0.386	5.4	6.1	0.454
40	—	—	—	—	—	—	1.8	2.1	0.227	1) 2.0	2.3	0.243	2.4	2.8	0.295	3	3.5	0.356	3.7	4.2	0.43	4.5	5.1	0.509	5.5	6.2	0.600	6.7	7.5	0.701
50	—	—	—	1) 1.8	2.1	0.287	2	2.3	0.314	2.4	2.8	0.374	3	3.4	0.453	3.7	4.2	0.549	4.6	5.2	0.666	5.6	6.3	0.788	6.9	7.7	0.936	8.3	9.3	1.09
63	1) 1.8	2.1	0.364	2	2.3	0.399	2.5	2.9	0.494	3	3.4	0.580	3.8	4.3	0.721	4.7	5.3	0.873	5.8	6.5	1.05	7.1	8.0	1.260	8.6	9.6	1.47	10.5	11.7	1.73
75	2	2.3	0.468	2.3	2.7	0.551	2.9	3.3	0.675	3.6	4.1	0.828	4.5	5.1	1.02	5.6	6.3	1.24	6.8	7.6	1.47	8.4	9.4	1.760	10.3	11.5	2.09	12.5	13.9	2.44
90	2.2	2.6	0.643	2.8	3.2	0.791	3.5	4	0.978	4.3	4.9	1.18	5.4	6.1	1.46	6.7	7.5	1.77	8.2	9.2	2.12	10.1	11.3	2.540	12.3	13.7	3	15	16.7	3.51
110	2.7	3.1	0.943	3.4	3.9	1.17	4.2	4.8	1.43	5.3	6	1.77	6.6	7.4	2.17	8.1	9.1	2.62	10	11.1	3.14	12.3	13.7	3.78	15.1	16.8	4.49	18.3	20.3	5.24
125	3.1	3.6	1.230	3.9	4.4	1.51	4.8	5.4	1.84	6	6.7	2.27	7.4	8.3	2.76	9.2	10.3	3.37	11.4	12.7	4.08	14	15.6	4.87	17.1	19.0	5.77	20.8	23.0	6.75
140	3.5	4	1.540	4.3	4.9	1.88	5.4	6.1	2.32	6.7	7.5	2.83	8.3	9.3	3.46	10.3	11.5	4.22	12.7	14.1	5.08	15.7	17.4	6.110	19.2	21.3	7.25	23.3	25.8	8.47
160	4	4.5	2.0	4.9	5.5	2.42	6.2	7	3.04	7.7	8.6	3.72	9.5	10.6	4.52	11.8	13.1	5.5	14.6	16.2	6.67	17.9	19.8	7.96	21.9	24.2	9.44	26.6	29.4	11
180	4.4	5	2.49	5.5	6.2	3.07	6.9	7.7	3.79	8.6	9.6	4.67	10.7	11.9	5.71	13.3	14.8	6.98	16.4	18.2	8.42	20.1	22.3	10.1	24.6	27.2	11.9	29.9	33.0	14
200	4.9	5.5	3.05	6.2	7	3.84	7.7	8.6	4.69	9.6	10.7	5.78	11.9	13.2	7.05	14.7	16.3	8.56	18.2	20.2	10.4	22.4	24.8	12.4	27.4	30.3	14.8	33.2	36.7	17
225	5.5	6.2	3.86	6.9	7.7	4.77	8.6	9.6	5.89	10.8	12	7.3	13.4	14.9	8.93	16.6	18.4	10.9	20.5	22.7	13.1	25.2	27.9	15.8	30.8	34.0	18.6	37.4	41.3	22
250	6.2	7	4.83	7.7	8.6	5.92	9.6	10.7	7.3	11.9	13.2	8.93	14.8	16.4	11	18.4	20.4	13.4	22.7	25.1	16.2	27.9	30.8	19.4	34.2	37.8	23.0	41.5	45.8	27
280	6.9	7.7	5.98	8.6	9.6	7.4	10.7	11.9	9.1	13.4	14.9	11.3	16.6	18.4	13.7	20.6	22.8	16.8	25.4	28.1	20.3	31.3	34.6	24.3	38.3	42.3	28.9	46.5	51.3	34
315	7.7	8.6	7.52	9.7	10.8	9.370	12.1	13.5	11.6	15	16.6	14.2	18.7	20.7	17.4	23.2	25.7	21.2	28.6	31.6	25.6	35.2	38.9	30.8	43.1	47.6	36.5	52.3	57.7	43
355	8.7	9.7	9.55	10.9	12.1	11.8	13.6	15.1	14.6	16.9	18.7	18.0	21.1	23.4	22.1	26.1	28.9	26.9	32.2	35.6	32.5	39.7	43.8	39.1	48.5	53.5	46.3	59.0	65.0	54
400	9.8	10.9	12.1	12.3	13.7	15.1	15.3	17	18.6	19.1	21.2	22.9	23.7	26.2	28	29.4	32.5	34.1	36.3	40.1	41.3	44.7	49.3	49.6	54.7	60.3	58.8	66.5	73.3	69
450	11	12.2	15.3	13.8	15.3	19.0	17.2	19.1	23.5	21.5	23.8	28.9	26.7	29.5	35.4	33.1	36.6	43.2	40.9	45.1	52.3	50.3	55.5	62.7	61.5	67.8	74.4	—	—	—
500	12.3	13.7	19	15.3	17	23.4	19.1	21.2	28.9	23.9	26.4	35.7	29.7	32.8	43.8	36.8	40.6	53.3	45.4	50.1	64.5	55.8	61.5	77.3	68.3	75.3	91.8	—	—	—
560	13.7	15.2	23.6	17.2	19.1	29.4	21.4	23.7	36.2	26.7	29.5	44.7	33.2	36.7	54.8	41.2	45.5	66.9	50.8	56.0	80.8	62.5	68.9	97.0	—	—	—	—	—	—
630	15.4	17.1	30	19.3	21.4	37.1	24.1	26.7	45.9	30	33.1	56.4	37.4	41.3	69.4	46.3	51.1	84.6	57.2	63.1	102.0	70.3	77.5	122.6	—	—	—	—	—	—
710	17.4	19.3	38.0	21.8	24.1	47.2	27.2	30.1	58.4	33.9	37.4	71.8	42.1	46.5	88.1	52.2	57.6	107.0	64.5	71.1	130.0	79.3	87.4	155.9	—	—	—	—	—	—
800	19.6	21.7	48	24.5	27.1	59.7	30.6	33.8	73.9	38.1	42.1	91.1	47.4	52.3	112.0	58.8	64.8	136.0	72.6	80	164.8	89.3	98.4	197.7	—	—	—	—	—	—
900	22	24.3	60.9	27.6	30.5	75.6	34.4	38.3	93.4	42.9	47.3	115.0	53.3	58.8	141.0	66.1	72.9	172.2	81.7	90.0	208.5	—	—	—	—	—	—	—	—	—
1000	24.5	27.1	75	30.6	33.5	93.1	38.2	42.2	115.0	47.7	52.6	142.0	59.3	65.4	175.0	73.4	80.9	212.4	90.8	100	257.5	—	—	—	—	—	—	—	—	—
1200	29.4	32.5	108.0	36.7	40.5	134.0	45.9	50.6	166.0	57.2	63.1	205.0	71.1	78.4	251.0	88.2	97.2	306.2	—	—	—	—	—	—	—	—	—	—	—	—
1400	34.3	37.9	147	42.9	47.3	183.0	53.5	59	226.0	66.7	73.5	278.0	83	91.5	341.7	102.9	113.3	416.6	—	—	—	—	—	—	—	—	—	—	—	—
1600	39.2	43.3	192.0	49	54	238.0	61.2	67.5	295.0	76.2	84	363.2	94.8	104.4	445.8	117.5	129.4	543.8	—	—	—	—	—	—	—	—	—	—	—	—
1800	44	48.6	242	55.1	60.8	301.2	68.8	75.8	372.7	85.8	94.5	459.9	106.6	117.4	564.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2000	48.9	53.9	298.8	61.2	67.5	371.6	76.4	84.2	459.9	95.3	105	567.6	118.4	130.4	696.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

1- The calculated amount of e-min (according to ISO4065 standard) is rounded to closest amount of 2.0, 2.3 and 3.

This table is set according to DIN 8074 and INSO14427-2 for under pressure water supply, irrigation, sewerage and drainage in 20°c condition and 50 years of durability at nominal pressure standar .