Material	Design stress	Working pressure
PE 63	**5 Mpa**	
PE 80	**6.3 Mpa**	**(CLASS) PN 3.2**
PE 100	**8 Mpa**	**(CLASS) PN 4**
		SDR 41

Norm Size mm	Mean Outside Diameter		Ovality Outside Dameter		Wall Thickness t		Pipe id and Mass	
	Min	Max	Min	Max	Min	Max	ID	Kg/m
16	16	16.3	15.4	16.3	1.6	1.9	13	0.1
20	20	20.3	19.4	20.6	1.6	1.9	17	0.1
25	25	25.3	24.4	25.6	1.6	1.9	22	0.1
32	32	32.3	31.4	32.7	1.6	1.9	29	0.2
40	40	40.4	39.3	40.7	1.6	1.9	37	0.2
50	50	50.5	49.3	50.7	1.6	1.9	47	0.3
63	63	63.6	62.2	63.8	1.6	1.9	60	0.3
75	75	75.7	74.2	75.8	1.8	2.1	71	0.4
90	90	90.9	89.1	90.9	2.2	2.5	86	0.6
110	110	111.0	108.8	111.1	2.7	3.1	105	0.9
125	125	126.2	123.8	126.3	3.0	3.5	119	1.2
140	140	141.3	138.6	141.4	3.4	3.9	133	1.5
160	160	161.5	158.4	161.6	3.9	4.4	152	1.9
180	180	181.7	178.2	181.8	4.4	4.9	172	2.5
200	200	201.8	198.0	202.0	4.9	5.5	191	3.0
225	225	227.1	222.8	227.3	5.5	6.1	214	3.8
250	250	252.3	247.5	252.5	6.1	6.8	238	4.7
280	280	282.6	275.1	284.9	6.8	7.6	267	5.9
315	315	317.9	309.5	320.6	7.7	8.6	300	7.5
355	355	358.2	348.8	361.3	8.7	9.7	338	9.5
400	400	403.6	393.0	407.0	9.8	10.9	381	12.1
450	450	454.1	442.1	457.9	11.0	12.2	429	15.3
500	500	504.5	491.3	508.8	12.2	13.5	477	18.9
560	560	565.0	550.2	569.8	13.7	15.2	534	23.7
630	630	635.7	619.0	641.1	15.4	17.1	600	30.0

Material	Working pressure	Working pressure
PE 63	(CLASS) PN 3.2	(CLASS) PN 4
PE 80	(CLASS) PN 4	
PE 100		(CLASS 6) PN 6.3
	SDR 33	SDR 26

Norm Size mm	Wall Thickness t		Pipe id and Mass		Wall Thickness t		Pipe id and Mass	
	Min	Max	ID	Kg/m	Min	Max	ID	Kg/m
16	1.6	1.9	13	0.08	1.6	1.9	13	0.1
20	1.6	1.9	17	0.10	1.6	1.9	17	0.1
25	1.6	1.9	22	0.12	1.6	1.9	22	0.1
32	1.6	1.9	29	0.16	1.6	1.9	29	0.2
40	1.6	1.9	37	0.20	1.6	1.9	37	0.2
50	1.6	1.9	47	0.25	1.9	2.3	46	0.3
63	1.9	2.2	59	0.38	2.4	2.8	58	0.5
75	2.3	2.6	70	0.53	2.9	3.3	69	0.7
90	2.7	3.1	85	0.77	3.5	4.0	83	1.0
110	3.3	3.8	103	1.15	4.2	4.9	101	1.5
125	3.8	4.4	117	1.48	4.8	5.5	115	1.9
140	4.2	4.9	132	1.86	5.4	6.2	129	2.3
160	4.8	5.4	150	2.40	6.2	6.9	148	3.0
180	5.5	6.1	169	3.04	6.9	7.8	166	3.8
200	6.1	6.8	188	3.75	7.7	8.6	185	4.7
225	6.8	7.6	212	4.73	8.7	9.6	208	6.0
250	7.6	8.4	235	5.84	9.6	10.7	231	7.4
280	8.5	9.5	263	7.33	10.8	12.0	259	9.2
315	9.5	10.6	296	9.27	12.1	13.5	291	11.7
355	10.8	12.0	334	11.78	13.7	15.2	328	14.8
400	12.1	13.5	376	14.95	15.4	17.2	369	18.8
450	13.6	15.1	423	18.88	17.3	19.2	416	23.8
500	15.2	16.8	470	23.31	19.2	21.3	462	29.3
560	17.0	18.8	527	29.24	21.5	23.9	517	36.8
630	19.1	21.2	593	37.01	24.2	26.9	582	46.6

Material	Working pressure	Working pressure
PE 63		(CLASS 6) PN 6.3
PE 80	(CLASS 6) PN 6.3	(CLASS) PN 8
PE 100	(CLASS) PN 8	(CLASS) PN 10
	SDR 21	SDR 17

Norm Size mm	Wall Thickness t		Pipe id and Mass		Wall Thickness t		Pipe id and Mass	
	Min	Max	ID	Kg/m	Min	Max	ID	Kg/m
16	1.6	1.9	13	0.08	1.6	1.9	13	0.08
20	1.6	1.9	17	0.10	1.6	1.9	17	0.10
25	1.6	1.9	22	0.12	1.6	1.9	22	0.12
32	1.6	1.9	29	0.16	1.9	2.2	28	0.18
40	1.9	2.2	36	0.24	2.4	2.8	35	0.30
50	2.4	2.8	45	0.37	2.9	3.4	44	0.45
63	3.0	3.5	57	0.59	3.7	4.3	55	0.72
75	3.6	4.1	68	0.82	4.4	5.1	66	1.00
90	4.3	4.9	81	1.19	5.3	6.1	79	1.45
110	5.2	6.0	99	1.77	6.5	7.4	97	2.16
125	6.0	6.8	113	2.29	7.4	8.5	110	2.79
140	6.7	7.7	126	2.87	8.2	9.5	123	3.50
160	7.6	8.5	145	3.70	9.4	10.5	141	4.51
180	8.6	9.6	163	4.68	10.6	11.9	158	5.71
200	9.5	10.7	181	5.78	11.8	13.2	176	7.05
225	10.7	11.9	203	7.30	13.2	14.8	198	8.90
250	11.9	13.3	226	9.01	14.7	16.4	220	10.99
280	13.3	14.9	253	11.30	16.5	18.4	246	13.79
315	15.0	16.7	285	14.30	18.5	20.7	277	17.45
355	16.9	18.8	321	18.16	20.9	23.3	312	22.16
400	19.0	21.2	352	23.06	23.5	26.2	352	28.13
450	21.4	23.8	407	29.12	26.5	29.4	396	35.52
500	23.8	26.4	452	35.94	29.4	32.6	440	43.85
560	26.7	29.6	506	45.08	32.9	36.6	493	55.00
630	30.0	33.3	570	57.07	37.1	41.1	555	69.62

Material	Working pressure	Working pressure
PE 63	(CLASS) PN 8	(CLASS) PN 10
PE 80	(CLASS) PN 10	(CLASS 12) PN 12.5
PE 100	(CLASS) PN 12.5	(CLASS) PN 16
	SDR 13.6	SDR 11

Norm Size mm	Wall Thickness t		Pipe id and Mass		Wall Thickness t		Pipe id and Mass	
	Min	Max	ID	Kg/m	Min	Max	ID	Kg/m
16	1.6	1.9	13	0.08	1.6	1.9	13	0.08
20	1.6	1.9	17	0.10	1.8	2.1	16	0.11
25	1.8	2.2	21	0.14	2.3	2.7	20	0.17
32	2.4	2.8	27	0.23	2.9	3.4	26	0.27
40	2.9	3.4	34	0.35	3.6	4.3	32	0.43
50	3.7	4.3	42	0.55	4.5	5.3	40	0.67
63	4.6	5.4	53	0.88	5.7	6.7	51	1.06
75	5.5	6.3	63	1.23	6.8	7.8	61	1.50
90	6.6	7.6	76	1.78	8.2	9.4	73	2.16
110	8.1	9.3	93	2.66	10.0	11.5	89	3.22
125	9.2	10.6	106	3.43	11.4	13.1	101	4.16
140	10.3	11.8	119	4.30	12.7	14.6	113	5.21
160	11.8	13.2	136	5.55	14.5	16.3	130	6.72
180	13.2	14.8	153	7.02	16.4	18.3	146	8.51
200	14.7	16.5	170	8.66	18.2	20.4	162	10.50
225	16.5	18.4	191	10.95	20.5	22.8	183	13.27
250	18.4	20.5	212	13.51	22.7	25.3	203	16.38
280	20.6	23.0	238	16.95	25.5	28.4	227	20.54
315	23.2	25.8	267	21.45	28.6	31.9	256	26.00
355	26.1	29.1	301	27.24	32.3	36.0	288	33.01
400	29.4	32.8	340	34.58	36.4	40.5	325	41.91
450	33.1	33.7	382	43.68	40.9	45.4	366	52.94
500	36.8	40.8	425	53.92	45.5	50.5	406	65.36
560	41.2	45.7	476	67.63	50.9	56.5	455	81.97
630	46.3	51.4	535	85.60	57.3	63.6	512	103.75

Material	Working pressure	Working pressure
PE 63	(CLASS 12) PN 12.5	(CLASS) PN 16
PE 80	(CLASS) PN 16	(CLASS) PN 20
PE 100	(CLASS) PN 20	
	SDR 9	SDR 7.4

Norm Size mm	Wall Thickness t		Pipe id and Mass		Wall Thickness t		Pipe id and Mass	
	Min	Max	ID	Kg/m	Min	Max	ID	Kg/m
16	1.8	2.1	12	0.08	2.2	2.5	11	0.10
20	2.2	2.6	15	0.13	2.7	3.2	14	0.15
25	2.8	3.3	19	0.20	3.4	4.0	18	0.24
32	3.6	4.2	24	0.33	4.3	5.1	23	0.39
40	4.4	5.2	31	0.51	5.4	6.3	28	0.60
50	5.6	6.5	38	0.80	6.8	7.9	36	0.94
63	7.0	8.2	48	1.27	8.5	10.0	45	1.50
75	8.3	9.6	57	1.78	10.1	11.7	54	2.11
90	10.0	11.5	69	2.57	12.2	14.0	64	3.04
110	12.2	14.1	84	3.84	14.9	17.1	79	4.53
125	13.9	16.0	96	4.96	16.9	19.4	89	5.86
140	15.6	17.9	107	6.22	18.9	21.8	100	7.34
160	17.8	19.9	123	8.02	21.6	24.2	115	9.48
180	20.0	22.4	138	10.16	24.3	27.2	129	12.00
200	22.2	24.9	154	12.53	27.0	30.3	144	14.81
225	25.0	27.9	173	15.83	30.4	33.9	162	18.71
250	27.8	31.0	192	19.55	33.8	37.7	180	23.10
280	31.1	34.7	216	24.52	37.8	42.2	201	28.97
315	35.0	39.0	242	31.03	42.6	47.5	226	36.67
355	39.4	44.0	273	39.41	48.0	53.5	255	46.56
400	44.4	49.6	308	50.03	54.1	60.3	287	59.11
450	50.0	55.5	347	63.19	60.8	67.5	324	74.67
500	55.6	61.7	385	78.01				
560								
630								