

Specification of water pipes (PE 80/100) according to Germany standard (DIN 8074-1999)

SDR		41		33		26		21		17		13.6		11		9		7.4		6	
PE80 SF1.25	PN (BAR)	3.2		4		5		6		8		10		12.5		16		20		25	
PE80 SF1.6	PN (BAR)	2.5		3.2		4		5		6		8		10		12.5		16		20	
PE100 SF1.25	PN (BAR)	4		5		6		8		10		12.5		16		20		25		-	
PE100 SF1.6	PN (BAR)	3.2		4		5		6		8		10		12.5		16		20		25	
mm		S in mm	Mass in kg/m	S in mm	Mass in kg/m	S in mm	Mass in kg/m	S in mm	Mass in kg/m	S in mm	Mass in kg/m	S in mm	Mass in kg/m	S in mm	Mass in kg/m	S in mm	Mass in kg/m	S in mm	Mass in kg/m	S in mm	Mass in kg/m
20	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	0.112	2.3	0.133	3.0	0.154	3.4	0.180
25	-	-	-	-	-	-	-	-	-	-	-	2.0	0.144	2.3	0.171	3.0	0.200	3.5	0.240	4.2	0.278
32	-	-	-	-	-	-	-	-	-	2.0	0.187	2.4	0.232	3.0	0.272	3.6	0.327	4.4	0.386	5.4	0.454
40	-	-	-	-	-	-	-	2.0	0.239	2.4	0.295	3.0	0.356	3.7	0.430	4.5	0.509	5.5	0.600	6.7	0.701
50	-	-	-	-	-	2.0	0.314	2.4	0.374	3.0	0.453	3.7	0.549	4.6	0.666	5.6	0.788	6.9	0.936	8.3	1.09
63	-	-	-	-	-	2.5	0.494	3.0	0.580	3.4	0.721	4.7	0.873	5.8	1.05	7.1	1.26	8.6	1.47	10.5	1.73
75	-	-	-	-	-	2.9	0.675	3.6	0.828	4.5	1.02	5.6	1.24	6.8	1.47	8.4	1.76	10.3	2.09	12.5	2.44
90	-	-	-	-	-	3.5	0.978	4.3	1.18	5.4	1.46	6.7	1.77	8.2	2.12	10.1	2.54	12.3	3.00	15.0	3.51
110	-	-	-	-	-	4.2	1.43	5.3	1.77	6.6	2.17	8.1	2.62	10.0	3.14	12.3	3.78	15.1	4.49	18.3	5.24
125	-	-	-	-	-	4.8	1.84	6.0	2.27	7.4	2.76	9.2	3.37	11.4	4.08	14.0	4.87	17.1	5.77	20.8	6.75
140	-	-	-	-	-	5.4	2.32	6.7	2.83	8.3	3.46	10.3	4.22	12.7	5.08	15.7	6.11	19.2	7.25	23.3	8.47
160	-	-	-	-	-	6.2	3.04	7.7	3.72	9.5	4.52	11.8	5.50	14.6	6.67	17.9	7.96	21.9	9.44	26.6	11.0
180	-	-	-	-	-	6.9	3.79	8.6	4.67	10.7	5.71	13.3	6.98	16.4	8.42	20.1	10.1	24.6	11.9	29.9	14.0
200	-	-	-	-	-	7.7	4.69	9.6	5.78	11.9	7.05	14.7	8.56	18.2	10.4	22.4	12.4	27.4	14.8	33.2	17.2
225	-	-	-	-	-	8.6	5.89	10.8	7.30	13.4	8.93	16.6	10.9	20.5	13.1	25.2	15.8	30.8	18.6	37.4	21.8
250	-	-	-	-	-	9.6	7.30	11.9	8.93	14.8	11.0	18.4	13.4	22.7	16.2	27.9	19.4	34.2	23.0	41.5	27.0
280	-	-	-	-	-	10.7	9.10	13.4	11.3	16.6	13.7	20.6	16.8	24.5	20.3	31.3	24.3	38.3	28.9	46.5	33.8
315	7.7	7.52	9.7	9.37	12.1	11.6	15.0	14.2	18.7	17.4	23.2	21.2	28.6	25.6	35.2	30.8	43.1	36.5	52.3	42.7	
355	8.7	9.55	10.9	11.8	13.6	14.6	16.9	18.0	21.1	22.1	26.1	26.9	32.2	32.5	39.7	39.1	48.5	46.3	59.0	54.3	
400	9.8	12.1	12.3	15.1	15.3	18.6	19.1	22.9	23.7	28.0	29.4	34.1	36.3	41.3	44.7	49.6	54.7	58.8	-	-	-
450	11.0	15.3	13.8	19.0	17.2	23.5	21.5	28.9	26.7	35.4	33.1	43.2	40.9	52.3	50.3	62.7	61.5	74.4	-	-	-
500	12.3	19.0	15.3	23.4	19.1	28.9	23.9	35.7	29.7	43.8	36.8	53.3	45.4	64.5	55.8	77.3	-	-	-	-	-
560	13.7	23.6	17.2	29.4	21.4	36.2	26.7	44.7	33.2	54.8	41.2	66.9	50.8	80.8	62.5	97.0	-	-	-	-	-
630	15.4	29.9	19.3	37.1	24.1	45.9	30.0	56.4	37.4	69.4	46.3	84.6	57.2	102	-	-	-	-	-	-	-

ATT: Temperature at 20°C and years of service for 50
SDR: Standard Dimension Ratio

SF: Safety Factor
PN: Nominal Pressure