

PE 80 - PIPES

STANDARDS:

EN 12201-2 / ISO 4427 / DIN 8074

DESIGN STRESS: $\Delta = 6.3$ MPA

SAFETY FACTOR: C=1.25

COLOUR: black with white inside layer
and coextruded blue lines or light blue
with white inside layer

1) SDR 33 – pipes for drinking water supply systems
are not produced

s – wall thickness

OD – outside diameter

* Admissible operating pressure

DN mm	SDR 33 ¹ C 16 * PN 4		SDR 21 C 10 * PN 6		SDR 13.6 C 6.3 * PN 10		SDR 9 C 4 * PN 16		SDR 7.4 C 3.2 * PN 20		SDR 6 C 2.5 * PN 25	
	s (mm)	WEIGHT (kg / m)	s (mm)	WEIGHT (kg / m)	s (mm)	WEIGHT (kg / m)	s (mm)	WEIGHT (kg / m)	s (mm)	WEIGHT (kg / m)	s (mm)	WEIGHT (kg / m)
16	-	-	-	-	-	-	2.3	0.10	2.3	0.100	2.7	0.115
20	-	-	-	-	1.8	0.107	2.3	1.133	2.8	0.154	3.4	0.180
25	-	-	-	-	1.9	0.144	2.8	0.200	3.5	0.240	4.2	0.278
32	-	-	-	-	2.4	0.232	3.6	0.327	4.4	0.386	5.4	0.454
40	-	-	1.9	0.239	3.0	0.356	4.5	0.509	5.5	0.600	6.7	0.701
50	-	-	2.4	0.374	3.7	0.549	5.6	0.788	6.98	0.936	8.3	1.09
63	-	-	3.0	0.580	4.7	0.873	7.1	1.26	8.6	1.47	10.5	1.73
75	-	-	3.6	0.828	5.6	1.24	8.4	1.76	10.3	2.09	12.5	2.44
90	-	-	4.3	1.18	6.7	1.77	10.1	2.54	12.3	3.00	15.0	3.51
110	3.4	1.17	5.3	1.77	8.1	2.62	12.3	3.78	15.1	4.49	18.3	5.24
125	3.9	1.51	6.0	2.27	9.2	3.37	14.0	4.87	17.1	5.77	20.8	6.75
140	4.3	1.88	6.7	2.83	10.3	4.22	15.7	6.11	19.2	7.25	23.3	8.47
160	4.9	2.42	7.7	3.72	11.8	5.50	17.9	7.96	21.9	9.44	26.6	11.0
180	5.5	3.07	8.6	4.67	13.3	6.98	20.1	10.1	24.6	11.9	29.9	14.0
200	6.2	3.84	9.6	5.78	14.7	8.56	22.4	12.4	27.4	14.8	33.2	17.2
225	6.9	4.77	10.8	7.3	16.6	10.9	25.2	15.8	30.8	18.6	37.4	21.8
250	7.7	5.92	11.9	8.93	18.4	13.4	27.9	19.4	34.2	23.0	41.6	27.0
280	8.6	7.4	13.4	11.3	20.6	16.8	31.3	24.3	38.3	28.9	46.5	33.8
315	9.7	9.37	15.0	14.2	23.2	21.2	35.2	30.8	43.1	36.5	52.3	42.7
355	10.9	11.8	16.9	18.0	26.1	26.9	39.7	39.1	48.5	46.3	59.0	54.3
400	12.3	15.1	19.1	22.9	29.4	34.1	44.7	49.6	54.7	58.8	66.5	68.9
450	13.8	19.0	21.5	28.9	33.1	43.2	50.3	62.7	61.5	74.4	-	-
500	15.3	23.4	23.9	35.7	36.8	53.3	55.8	77.3	68.3	91.8	-	-
560	17.2	29.4	26.7	44.7	41.2	66.9	62.5	97.0	-	-	-	-
630	19.3	37.1	30.0	56.4	46.3	84.6	-	-	-	-	-	-
710	21.8	47.2	33.9	71.8	52.2	109	-	-	-	-	-	-
800	24.5	59.7	38.1	91.1	58.8	138	-	-	-	-	-	-