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ISO4437-2: Plastics piping systems for the supply of gaseous fuels-Polyethylene (PE)- Part 2: Pipes

Nominal Out-side diameter d_n (mm)	Maximum out of roundness for straight	SDR9			SDR11[b]			SDR13.6			SDR17[b]			SDR21			SDR26		
		Mini Wall (mm)	Average ID (mm)	Weight (kg/m)	Mini Wall (mm)	Average ID (mm)	Weight (kg/m)	Mini Wall (mm)	Average ID (mm)	Weight (kg/m)	Mini Wall (mm)	Average ID (mm)	Weight (kg/m)	Mini Wall (mm)	Average ID (mm)	Weight (kg/m)	Mini Wall (mm)	Average ID (mm)	Weight (kg/m)
20	1.2	3.0	15.12	0.14	2.3[d]	15.76	0.12	-	-	-	-	-	-	-	-	-	-		0.04
25	1.2	3.0	18.64	0.22	2.3[d]	20.12	0.17	2.3[d]	20.76	0.15	-	-	-	-	-	-	-	-	0.06
32	1.3	3.6	24.37	0.34	3.0	25.64	0.29	2.4[d]	26.91	0.24	2.3[d]	27.76	0.20		28.77	0.15	-	-	0.10
40	1.4	4.5	30.46	0.53	3.7	32.16	0.45	3.0	33.64	0.37	2.4[d]	34.91	0.30	2.3[d]	35.76	0.25	-	-	0.16
50	1.4	5.6	38.13	0.83	4.6	40.25	0.69	3.7	42.16	0.57	3.0	43.64	0.47	2.4[d]	44.91	0.38	2.3[d]	45.76	0.32
63	1.5	7.1	47.95	1.32	5.8	50.70	1.10	4.7	53.04	0.91	3.8	54.94	0.75	3.0	56.64	0.60	2.5[d]	57.70	0.50
75	1.6	8.4	57.19	1.86	6.8	60.58	1.54	5.6	63.13	1.29	4.5	65.46	1.05	3.6	67.37	0.85	2.9[d]	68.85	0.70
90	1.8	10.1	68.59	2.68	8.2	72.62	2.23	6.7	75.80	1.86	5.4	78.55	1.52	4.3	80.88	1.23	3.5	82.58	1.01
110	2.2	12.3	83.92	4.00	10.0	88.80	3.33	8.1	92.83	2.74	6.6	96.01	2.27	5.3	98.76	1.85	4.2	101.10	1.48
125	2.5	14.0	95.32	5.17	11.4	100.83	4.31	9.2	105.50	3.54	7.4	109.31	2.89	6.0	112.28	2.37	4.8	114.82	1.92
140	2.8	15.7	106.72	6.49	12.7	113.08	5.38	10.3	118.16	4.44	8.3	122.40	3.63	6.7	125.80	2.97	5.4	128.55	2.42
160	3.2	17.9	122.05	8.46	14.6	129.05	7.06	11.8	134.98	5.81	9.5	139.86	4.75	7.7	143.68	3.90	6.2	146.86	3.17
180	3.6	20.1	137.39	10.69	16.4	145.23	8.92	13.3	151.80	7.37	10.7	157.32	6.02	8.6	161.77	4.90	2.9	165.37	3.97
200	4.0	22.4	152.51	13.23	18.2	161.42	11.00	14.7	168.84	9.06	11.9	174.77	7.44	9.6	179.65	6.08	7.7	183.68	4.92
225	4.5	25.2	171.58	16.74	20.5	181.54	13.94	16.6	189.81	11.50	13.4	196.59	9.43	10.8	202.10	7.69	8.6	206.77	6.19
250	5.0	27.9	190.85	20.60	22.7	201.88	17.16	18.4	210.99	14.17	14.8	218.62	11.57	11.9	224.77	9.42	9.6	229.65	7.67
280	9.8	31.2	213.64	25.88	25.4	226.15	21.50	20.6	236.33	17.77	16.6	244.81	14.54	13.4	251.59	11.88	10.7	257.32	9.58
315	11.1	35.2	240.38	32.75	28.6	254.37	27.24	23.2	265.82	22.51	18.7	275.36	18.42	15.0	283.20	14.96	12.1	289.35	12.19
355	12.5	39.7	270.84	41.62	32.2	286.74	34.56	26.1	299.67	28.54	21.1	310.27	23.43	16.9	319.17	19.00	13.6	326.17	15.44
400	14.0	44.7	305.24	52.81	36.3	323.04	43.90	29.4	337.67	36.23	23.7	349.76	29.65	19.1	359.51	24.19	15.3	367.56	19.57
450	15.6	50.3	343.36	66.85	40.9	363.29	55.64	33.1	379.83	45.88	26.7	393.40	37.58	21.5	404.42	30.63	17.2	413.54	24.75
500	17.5	55.8	381.70	82.42	45.4	403.75	68.63	36.8	421.98	56.68	29.7	437.04	46.44	23.9	449.33	37.84	19.1	459.51	30.54
560	19.6	62.5	427.50	103.39	50.8	452.30	86.01	41.2	472.66	71.07	33.2	489.62	58.15	26.7	503.40	47.35	21.4	514.63	38.32
630	22.1	70.3	480.96	130.83	57.2	508.74	108.94	46.3	531.84	89.86	37.4	550.71	73.69	30.0	566.40	59.85	24.1	578.91	48.55

a $e_{min} = e_n$

b Preferred series.

c SDR17.6 series can be removed at the next revision of this Internation Standard.

d Minimum wall thickness values greater than limits of 2.3mm, 2.4mm, 2.5mm and 2.9mm can be imposed for practical reasons in accordance with national requirements. See maunfacturer's files or national specification for advice.