

Glass tubes borosilicate glass

transparent glass

transformation temperature

525 °C

standard length

approx. 1.500 mm

outer diameter
 Ø in mm



walls



3	± 0.13	0.7 mm	± 0.03
4	± 0.13	0.8 mm	± 0.03
5	± 0.13	0.8 mm	± 0.03
6	± 0.13	1.0 mm 1.5 mm	± 0.04 ± 0.07
7	± 0.13	1.0 mm 1.5 mm	± 0.04 ± 0.07
8	± 0.13	1.0 mm 1.5 mm	± 0.04 ± 0.07
9	± 0.13	1.0 mm 1.5 mm	± 0.04 ± 0.07
10	± 0.13	1.0 mm 1.5 mm 2.2 mm	± 0.04 ± 0.07 ± 0.11
11	± 0.16	1.0 mm 1.5 mm 2.2 mm	± 0.04 ± 0.07 ± 0.11
12	± 0.16	1.0 mm 1.5 mm 2.2 mm	± 0.04 ± 0.07 ± 0.11
13	± 0.16	1.0 mm 1.5 mm 2.2 mm	± 0.04 ± 0.07 ± 0.11
14	± 0.16	1.0 mm 1.5 mm 2.2 mm	± 0.04 ± 0.07 ± 0.11
15	± 0.16	1.2 mm 1.8 mm 2.5 mm	± 0.05 ± 0.08 ± 0.12



Glass tubes borosilicate glass transparent glass

outer diameter

Ø in mm



walls



16	± 0.16	1.2 mm	± 0.05
		1.8 mm	± 0.08
		2.5 mm	± 0.12
17	± 0.16	1.2 mm	± 0.05
		1.8 mm	± 0.08
		2.5 mm	± 0.12
18	± 0.16	1.2 mm	± 0.05
		1.8 mm	± 0.08
		2.5 mm	± 0.12
19	± 0.16	1.2 mm	± 0.05
		1.8 mm	± 0.08
		2.5 mm	± 0.12
20	± 0.23	1.2 mm	± 0.05
		1.8 mm	± 0.08
		2.5 mm	± 0.12
22	± 0.23	1.2 mm	± 0.05
		1.8 mm	± 0.08
		2.5 mm	± 0.12
24	± 0.23	1.2 mm	± 0.05
		1.8 mm	± 0.08
		2.5 mm	± 0.12
26	± 0.24	1.4 mm	± 0.05
		2.0 mm	± 0.09
		2.8 mm	± 0.14
28	± 0.24	1.4 mm	± 0.05
		2.0 mm	± 0.09
		2.8 mm	± 0.14
30	± 0.30	1.4 mm	± 0.07
		2.0 mm	± 0.09
		2.8 mm	± 0.14
32	± 0.30	1.4 mm	± 0.07
		2.0 mm	± 0.09
		2.8 mm	± 0.14



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outer diameter

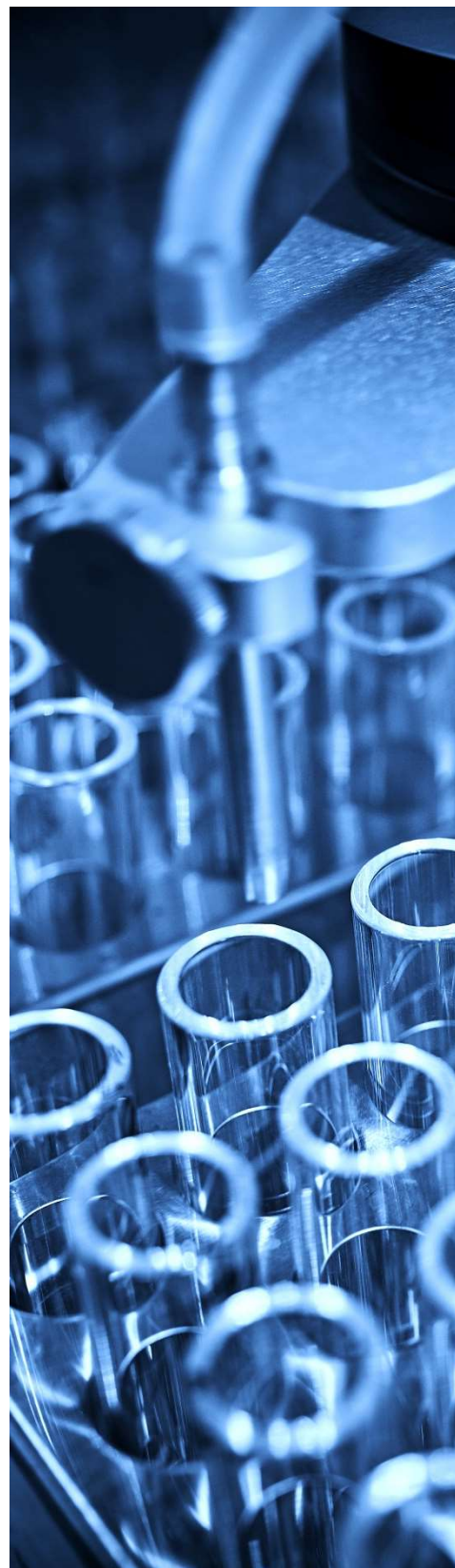
Ø in mm



walls



33	± 0.30	2.0 mm	± 0.09
34	± 0.30	1.4 mm	± 0.07
		2.0 mm	± 0.09
		2.8 mm	± 0.14
36	± 0.35	1.4 mm	± 0.07
		2.0 mm	± 0.09
		2.8 mm	± 0.14
38	± 0.35	1.4 mm	± 0.07
		2.0 mm	± 0.09
		2.8 mm	± 0.14
40	± 0.50	1.6 mm	± 0.08
		2.3 mm	± 0.11
		3.2 mm	± 0.18
		5.0 mm	± 0.30
42	± 0.50	1.6 mm	± 0.08
		2.3 mm	± 0.11
		3.2 mm	± 0.18
44	± 0.50	1.6 mm	± 0.08
		2.3 mm	± 0.11
		3.2 mm	± 0.18
45	± 0.60	5.0 mm	± 0.30
46	± 0.60	1.6 mm	± 0.08
		2.3 mm	± 0.11
		3.2 mm	± 0.18
48	± 0.60	1.6 mm	± 0.08
		2.3 mm	± 0.11
		3.2 mm	± 0.18
50	± 0.65	1.8 mm	± 0.11
		2.5 mm	± 0.14
		3.5 mm	± 0.22
		5.0 mm	± 0.30
		7.0 mm	± 0.45
		9.0 mm	± 0.60



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outer diameter

Ø in mm



walls



52	± 0.65	1.8 mm	± 0.11
		2.5 mm	± 0.14
		3.5 mm	± 0.22
54	± 0.65	1.8 mm	± 0.11
		2.5 mm	± 0.14
		3.5 mm	± 0.22
55	± 0.65	5.0 mm	± 0.30
56	± 0.65	1.8 mm	± 0.11
		2.5 mm	± 0.14
		3.5 mm	± 0.22
58	± 0.65	1.8 mm	± 0.11
		2.5 mm	± 0.14
		3.5 mm	± 0.22
60	± 0.75	2.2 mm	± 0.16
		3.2 mm	± 0.18
		4.2 mm	± 0.25
		5.0 mm	± 0.30
		7.0 mm	± 0.45
65	± 0.75	2.2 mm	± 0.16
		3.2 mm	± 0.18
		4.2 mm	± 0.25
		5.0 mm	± 0.30
70	± 0.85	2.2 mm	± 0.16
		3.2 mm	± 0.18
		4.2 mm	± 0.25
		5.0 mm	± 0.30
		7.0 mm	± 0.45
75	± 0.85	2.2 mm	± 0.16
		3.2 mm	± 0.18
		4.2 mm	± 0.25
		5.0 mm	± 0.30



Glass tubes borosilicate glass transparent glass

outer diameter
 $\varnothing$ in mm



walls



80	± 1.10	2.5 mm	± 0.16
		3.5 mm	± 0.22
		5.0 mm	± 0.35
		9.0 mm	± 0.65
85	± 1.10	2.5 mm	± 0.16
		3.5 mm	± 0.22
		5.0 mm	± 0.35
90	± 1.10	2.5 mm	± 0.16
		3.5 mm	± 0.22
		5.0 mm	± 0.35
		7.0 mm	± 0.45
		9.0 mm	± 0.65
95	± 1.30	2.5 mm	± 0.16
		3.5 mm	± 0.22
		5.0 mm	± 0.35
100	± 1.30	2.5 mm	± 0.16
		3.0 mm	± 0.18
		3.5 mm	± 0.22
		5.0 mm	± 0.35
		7.0 mm	± 0.45
		9.0 mm	± 0.65
105	± 1.40	3.0 mm	± 0.18
		5.0 mm	± 0.40
110	± 1.40	3.0 mm	± 0.25
		5.0 mm	± 0.45
		7.0 mm	± 0.60
115	± 1.40	3.0 mm	± 0.25
		5.0 mm	± 0.45
		7.0 mm	± 0.60
120	± 1.40	3.0 mm	± 0.25
		5.0 mm	± 0.45
		7.0 mm	± 0.60
		9.0 mm	± 0.80



Glass tubes borosilicate glass transparent glass

outer diameter
 $\varnothing$ in mm



walls



125	± 1.40	5.0 mm	± 0.45
		9.0 mm	± 0.80
130	± 1.50	3.0 mm	± 0.25
		5.0 mm	± 0.45
		7.0 mm	± 0.60
		9.0 mm	± 0.80
135	± 1.50	5.0 mm	± 0.45
		7.0 mm	± 0.60
140	± 1.60	3.0 mm	± 0.25
		5.0 mm	± 0.45
		7.0 mm	± 0.60
145	± 1.60	5.0 mm	± 0.45
150	± 1.70	3.0 mm	± 0.25
		5.0 mm	± 0.45
		7.0 mm	± 0.60
		9.0 mm	± 0.80
155	± 1.75	5.0 mm	± 0.45
160	± 1.75	5.0 mm	± 0.45
		7.0 mm	± 0.70
165	± 1.75	5.0 mm	± 0.45
		7.0 mm	± 0.70
170	± 1.75	5.0 mm	± 0.45
		7.0 mm	± 0.70
		9.0 mm	± 0.90
180	± 1.95	5.0 mm	± 0.45
		7.0 mm	± 0.70
		9.0 mm	± 0.90
190	± 2.05	5.0 mm	± 0.45
		7.0 mm	± 0.70
200	± 2.30	5.0 mm	± 0.70
		7.0 mm	± 0.80
		9.0 mm	± 1.00



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outer diameter
 $\varnothing$ in mm



walls



215	± 2.40	5.0 mm	± 0.70
		7.0 mm	± 0.80
		9.0 mm	± 1.00
225	± 2.60	7.0 mm	± 0.80
		9.0 mm	± 1.10
240	± 2.80	9.0 mm	± 1.10
250	± 2.90	5.0 mm	± 0.70
		7.0 mm	± 0.90
		9.0 mm	± 1.10
270	± 2.90	5.0 mm	± 0.70
		7.0 mm	± 0.90
		9.0 mm	± 1.10
300	± 3.70	5.0 mm	± 0.70
		7.0 mm	± 1.10
		9.0 mm	± 1.40
315	± 3.80	7.0 mm	± 1.10
		9.0 mm	± 1.40
325	± 4.00	9.0 mm	± 1.40
		10.0 mm	± 1.40
350	± 4.00	5.0 mm	± 0.80
365	± 4.50	7.0 mm	± 1.40
400	± 5.00	6.0 mm	± 1.50
415	± 5.00	7.0 mm	± 1.50
420	± 5.00	9.5 mm	± 1.50
430	± 5.00	6.0 mm	± 1.00
440	± 5.00	7.0 mm	± 1.00
450	± 5.00	7.0 mm	± 1.00
		8.0 mm	± 1.00
460	± 5.50	8.5 mm	± 1.20
465	± 6.00	7.0 mm	± 1.00

