

Technical Information

Tubing Specification Charts

Nylon Fractional Inch Tubing

Tube O.D. in	Tube I.D. in	Wall in	Tolerance O.D.(in)	Tolerance Wall(in)	Min. Bend Radius (in)	Weight / 1000' (lbs)	Working PSI @ 68°F	Burst PSI @ 68°F	Working PSI @ 125°F
1/8	.080	.023	+ .002/- .003	+ .002/- .002	1/4	3.3	500	1500	350
1/8	.093	.016	+ .002/- .003	+ .002/- .002	1/2	2.5	267	800	187
5/32	.106	.025	+ .002/- .003	+ .002/- .002	5/8	4.8	333	1000	233
3/16	.137	.025	+ .003/- .003	+ .002/- .002	3/4	5.8	267	800	187
1/4	.180	.035	+ .002/- .004	+ .002/- .002	7/8	1.9	333	1000	233
1/4	.125	.062	+ .002/- .004	+ .002/- .002	1-1/4	16.9	667	2000	467
1/4	.170	.040	+ .002/- .004	+ .002/- .002	7/8	12.2	400	1200	280
5/16	.232	.040	+ .003/- .003	+ .002/- .002	1	15.7	333	1000	233
3/8	.275	.050	+ .002/- .006	+ .003/- .003	1-1/4	23.3	333	1000	233
1/2	.375	.062	+ .002/- .006	+ .003/- .003	2-1/4	39	267	800	187

Nylon Metric Tubing

Tube O.D. in	Tube I.D. in	Wall in	Tolerance O.D.(in)	Tolerance Wall(in)	Min. Bend Radius (in)	Weight / 1000' (lbs)	Working PSI @ 68°F	Burst PSI @ 68°F	Working PSI @ 125°F
4mm	2.7mm	.65mm	+ .05/- .10mm	+ .05/- .10mm	24mm	4.9	367	1100	257
4mm	2mm	1mm	+ .05/- .10mm	+ .05/- .10mm	24mm	6.8	667	2000	467
5mm	3mm	1mm	+ .05/- .10mm	+ .05/- .10mm	30mm	9	500	1500	350
6mm	4mm	1mm	+ .05/- .10mm	+ .05/- .10mm	36mm	11.2	400	1200	280
8mm	6mm	1mm	+ .05/- .10mm	+ .05/- .10mm	48mm	15.8	283	850	198
10mm	8mm	1mm	+ .10/- .10mm	+ .05/- .10mm	60mm	2.2	200	600	140
10mm	7.5mm	1.25mm	+ .10/- .10mm	+ .05/- .10mm	70mm	24.6	267	800	187
12mm	9.5mm	1.25mm	+ .10/- .10mm	+ .05/- .10mm	70mm	3.1	233	700	163
14mm	12mm	1mm	+ .10/- .10mm	+ .05/- .10mm	100mm	29.1	133	400	93

Polyethylene Fractional Inch Tubing

Tube O.D. in	Tube I.D. in	Wall in	Tolerance O.D.(in)	Tolerance Wall(in)	Min. Bend Radius (in)	Weight / 1000' (lbs)	Working PSI @ 68°F	Burst PSI @ 68°F	Working PSI @ 125°F
1/4	.170	.040	+ .002/- .004	+ .003/- .003	3/4	1.9	167	500	107
5/16	.190	.062	+ .003/- .003	+ .003/- .003	5/8	2.2	200	600	128
3/8	.250	.062	+ .002/- .006	+ .004/- .004	1-1/8	25.3	167	500	107
1/2	.375	.062	+ .002/- .006	+ .004/- .004	2-1/8	35.5	133	400	85

Polyethylene Metric Tubing

Tube O.D. in	Tube I.D. in	Wall in	Tolerance O.D.(in)	Tolerance Wall(in)	Min. Bend Radius (in)	Weight / 1000' (lbs)	Working PSI @ 68°F	Burst PSI @ 68°F	Working PSI @ 125°F
4mm	2.5mm	.75mm	+ .05/- .10mm	+ .05/- .10mm	12mm	5	200	600	128
6mm	4mm	1mm	+ .05/- .10mm	+ .05/- .10mm	36mm	1.2	167	500	107
8mm	6mm	1mm	+ .05/- .10mm	+ .05/- .10mm	48mm	14.2	117	350	75
10mm	8mm	1mm	+ .05/- .10mm	+ .05/- .10mm	60mm	18.3	83	250	53

95A Polyurethane Fractional Inch Tubing

Tube O.D. in	Tube I.D. in	Wall in	Tolerance O.D.(in)	Tolerance Wall(in)	Min. Bend Radius (in)	Weight / 1000' (lbs)	Working PSI @ 68°F	Burst PSI @ 68°F	Working PSI @ 125°F
1/8	.062	.031	+ .005/- .005	+ .003/- .003	1/4	4.7	267	800	160
5/32	.093	.031	+ .005/- .005	+ .003/- .003	3/8	6.2	167	500	100
3/16	.107	.040	+ .005/- .005	+ .003/- .003	3/8	10	200	600	120
1/4	.170	.040	+ .005/- .005	+ .003/- .005	1/2	13.6	133	400	80
1/4	.125	.062	+ .005/- .005	+ .003/- .003	3/4	18.8	267	800	160
3/8	.250	.062	+ .005/- .005	+ .003/- .003	1	21.3	133	400	80
1/2	.320	.090	+ .005/- .005	+ .004/- .004	2	59.6	150	450	90

95A Polyurethane Metric Tubing

Tube O.D. in	Tube I.D. in	Wall in	Tolerance O.D.(in)	Tolerance Wall(in)	Min. Bend Radius (in)	Weight / 1000' (lbs)	Working PSI @ 68°F	Burst PSI @ 68°F	Working PSI @ 125°F
4mm	2.5mm	.75mm	+.10/-.10mm	+.10/-.10mm	12mm	6	167	500	100
5mm	3mm	1mm	+.10/-.10mm	+.10/-.10mm	15mm	1.1	167	500	100
6mm	4mm	1mm	+.10/-.10mm	+.10/-.10mm	18mm	12.6	133	400	80
8mm	6mm	1mm	+.15/-.15mm	+.10/-.10mm	24mm	17.6	97	290	58
10mm	6.5mm	1.75mm	+.15/-.15mm	+.10/-.10mm	25mm	36.1	150	450	90
12mm	9mm	1.5mm	+.15/-.15mm	+.10/-.10mm	48mm	39.5	97	290	58

85A Durometer Polyurethane Fractional Inch Tubing

Tube O.D. in	Tube I.D. in	Wall in	Tolerance O.D.(in)	Tolerance Wall(in)	Min. Bend Radius (in)	Weight / 1000' (lbs)	Working PSI @ 68°F	Burst PSI @ 68°F	Working PSI @ 125°F
1/8	.062	.031	+.005/-.005	+.003/-.003	1/4	4.5	150	450	90
5/32	.093	.031	+.005/-.005	+.003/-.003	3/8	6.1	125	375	75
1/4	.125	.062	+.005/-.005	+.003/-.003	3/4	18.3	150	450	90