

Nylon Tubing

Parker's range of Nylon (12) Tubing comprises two different types: semi rigid (unplasticised) and flexible (plasticised).

Semi Rigid Nylon is manufactured without the addition of plasticisers and therefore complies with the American Food and Drug Administration.

Flexible Nylon is manufactured with the addition of plasticisers which give it improved flexibility.

All sizes below are also available in Semi Rigid Nylon on request (see ordering key), and can be produced in alternative Nylon grades such as Nylon 11 and Nylon 6.

Nylon Tubing (metric)

Product code (flexible grade)	Tube O.D. x wall thickness	Maximum working pressure MPa			Minimum bend radius mm	Weight g/m
		-40 °C to +28 °C	-40 °C to +40 °C	-40 °C to +60 °C		
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N3X0.60	3 x 0.60 mm	3.3	2.5	1.9	15	5
N4X0.65	4 x 0.65 mm	2.6	1.9	1.5	30	7
N4X1	4 x 1 mm	4.4	3.3	2.5	20	10
N5X1	5 x 1 mm	3.3	2.5	1.9	30	13
N6X1	6 x 1 mm	2.7	2.0	1.5	30	16
N8X1	8 x 1 mm	1.9	1.4	1.1	40	23
N8X1.25	8 x 1.25 mm	2.5	1.8	1.4	35	28
N10X1	10 x 1 mm	1.5	1.1	0.8	60	29
N10X1.25	10 x 1.25 mm	1.9	1.4	1.1	60	36
N10X1.5	10 x 1.5 mm	2.4	1.7	1.3	60	42
N12X1	12 x 1 mm	1.2	0.9	0.7	85	36
N12X1.5	12 x 1.5 mm	1.9	1.4	1.1	60	51
N12X1.75	12 x 1.75 mm	2.3	1.7	1.3	60	59
N14X1.5	14 x 1.5 mm	1.6	1.2	0.9	75	61
N16X1.5	16 x 1.5 mm	1.4	1.0	0.8	105	71
N16X2	16 x 2 mm	1.9	1.4	1.1	95	91
N22X2.5	22 x 2.5 mm	1.7	1.3	1.0	125	159

Nylon Tubing (imperial)

2X022N	1/8 x .022 in	3.2 x 0.56 mm	2.8	2.1	1.6	20	8
2X025N	1/8 x .025 in	3.2 x 0.64 mm	3.3	2.5	1.9	20	8
3X025N	3/16 x .025 in	4.8 x 0.64 mm	2.1	1.5	1.2	35	18
4X030N	1/4 x .030 in	6.4 x 0.76 mm	1.8	1.3	1.0	45	32
4X040N	1/4 x .040 in	6.4 x 1.02 mm	2.5	1.9	1.4	30	32
5X031N	5/16 x .031 in	7.9 x 0.79 mm	1.5	1.1	0.8	40	51
6X055N	3/8 x .055 in	9.5 x 1.40 mm	2.3	1.7	1.3	60	73
6X062N	3/8 x .062 in	9.5 x 1.57 mm	2.6	2.0	1.5	60	72
8X062N	1/2 x .062 in	12.7 x 1.57 mm	1.9	1.4	1.1	75	130
10X062N	5/8 x .062 in	15.9 x 1.57 mm	1.5	1.1	0.8	100	204
12X078N	3/4 x .078 in	19.0 x 1.98 mm	1.5	1.1	0.9	120	293

*1 MPa = 10 bar

Nylon Tubing tolerances in mm	Tube O.D. 3 to 5 mm + 0,05 / - 0,08	Tube O.D. 6 to 16 mm + 0,05 / - 0,10
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