

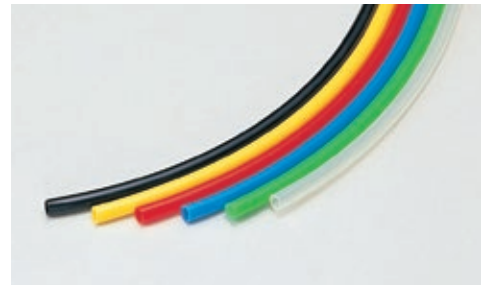
Nylon Tubing

N2

For multi-purpose piping

Features

- High oil resistance and chemical resistance.
- Group 2 type endures up to 4.8MPa (at 20°C).
- High abrasion resistance.



Product number table

● Millimeter size type (Group 4)

Type	Outer diameter x Inner diameter (mm)	Max. working pressure (MPa at 20°C)	Min. bending radius (mm)	Weight (g/m)	Standard color (color symbol)					
					Black	Milky white	Yellow	Blue	Green	Red
					BK	MW	YL	BU	GN	RE
N2-4-4x2	4x2	5.0	10	11	●	○	—	—	—	—
N2-4-4x2.5	4x2.5	3.3	15	8	●	○	●	●	●	●
N2-4-4x3	4x3	2.0	20	6	●	○	—	—	—	—
N2-4-6x4	6x4	3.0		17	●	○	●	●	●	●
N2-4-6x4.5	6x4.5	2.0	35	13	●	○	●	●	●	●
N2-4-8x6	8x6			23	●	○	●	●	●	●
N2-4-10x7.5	10x7.5	1.6	45	35	●	○	—	—	—	—
N2-4-10x8	10x8			29	●	○	●	●	●	●
N2-4-12x9	12x9	2.0	100	51	●	○	●	●	●	●
N2-4-16x13	16x13	1.6		70	●	○	—	—	—	—

● Inch size type (Group 1)

Type	Outer diameter x Inner diameter (mm)	Max. working pressure (MPa at 20°C)	Min. bending radius (mm)	Weight (g/m)	Standard color (color symbol)					
					Black	Milky white	Yellow	Blue	Green	Red
					BK	MW	YL	BU	GN	RE
N2-1-1/8	3.18x2.25	2.3	13	4	●	○	—	—	—	—
N2-1-3/16	4.76x3.48		16	9	●	○	●	●	●	●
N2-1-1/4	6.35x4.57		23	16	●	○	●	●	●	●
N2-1-5/16	7.94x5.90		29	23	●	○	●	●	●	●
N2-1-3/8	9.53x6.99		35	35	●	○	●	●	●	●
N2-1-1/2	12.70x9.56		45	58	●	○	●	●	●	●
N2-1-5/8	15.88x11.10		140	107	●	○	—	—	—	—

● Inch size type (Group 2) –High pressure type–

Type	Outer diameter x Inner diameter (mm)	Max. working pressure (MPa at 20°C)	Min. bending radius (mm)	Weight (g/m)	Standard color (color symbol)	
					Black	Milkywhite
					BK	MW
N2-2-1/8	3.18x1.60	4.8	7	6	●	○
N2-2-3/16	4.76x2.42		12	14	●	○
N2-2-1/4	6.35x3.21		13	25	●	○
N2-2-5/16	7.94x4.02		19	39	●	○
N2-2-3/8	9.53x4.81		26	56	●	○
N2-2-1/2	12.70x6.40		99	99	●	○

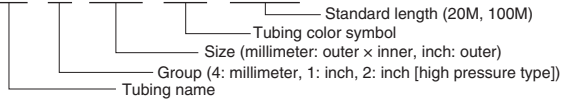
☞ Use fittings of insertion type (Group 2) in QuickSeal series.

Standard length

20M, 100M

Product number example

N2 - 4 - 6x4 - BK - 100M



Operating fluid, working temperature range

Operating fluid	Working temperature range
Air	-40°C~+100°C
Water	0°C~+70°C
General operating oil	-40°C~+100°C

☞ Contact us for other operating fluids.

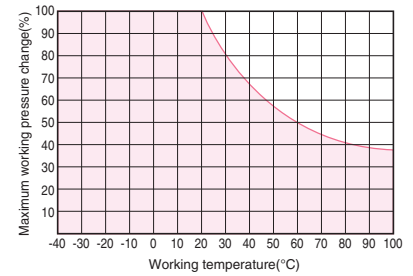
Negative pressure performance

-101.294kPa

Relation between the working temperature and the maximum working pressure

The maximum working pressure varies with the working temperature (environmental temperature). For use at an abnormal temperature, always check the maximum working pressure change in the graph below and keep the pressure within the indicated range.

⚠ Caution: Using tubes at a pressure outside the range may cause accidents or damage, for which Niitta is not liable.



Handling instructions

⚠ Caution: When water is used as the operating fluid, the tubing material might degrade depending on the additive. Contact us for details.

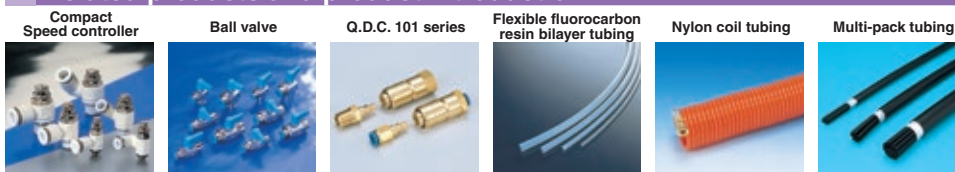
⚠ Caution: When water is used as the operating fluid, keep the surge pressure below the maximum working pressure. Also, do not allow the water to freeze.

☞ See page 10 for common instructions for tubing products.

Applicable fittings



Related products and product introduction



Reference

Chemical resistance specification tableP.198
 Effective sectional area ...P.168
 Negative-pressure performance listP.169

Tubing

Clean tubing

Processed tubing

PushOne fitting

QuickSeal fitting

Clean fitting/ChemiFit

Bamboo-shoot fitting

Control switch/Detachable series

Jig/Tool/Accessory

Technical information

Reference