

Nylon Tubing

N1

Hard (unplasticized) nylon

Features

- 100% unplasticized nylon resin tubing.
- Suitable for high pressure application.
- Usable at a high temperature (up to 120°C).



Product number table

● Millimeter size type (Group 4)

Type	Outer diameter × Inner diameter (mm)	Max. working pressure (MPa at 20°C)	Min. bending radius (mm)	Weight (g/m)	Standard color (color symbol)	
					Black	Milky white
					BK	MW
N1-4-6×4	6×4	5.0	20.0	17.0	●	○
N1-4-8×6	8×6	3.3	30.0	23.0	●	○

● Inch size type (Group 1)

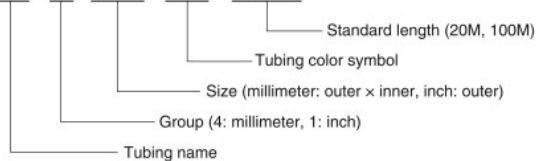
Type	Outer diameter × Inner diameter (mm)	Max. working pressure (MPa at 20°C)	Min. bending radius (mm)	Weight (g/m)	Standard color (color symbol)	
					Black	Milky white
					BK	MW
N1-1-1/4	6.35×4.57	4.0	23.0	16.0	●	○

Standard length

20M, 100M

Product number example

N1 - 4 - 6x4 - BK - 100M



Operating fluid, working temperature range

Operating fluid	Working temperature range
Air	-40°C~+120°C
Water	0°C~+70°C
General operating oil	-40°C~+120°C

☞ Contact us for other operating fluids.

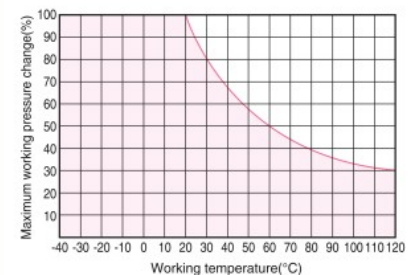
Negative pressure performance

-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 Nitta 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.

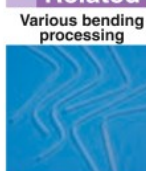
⚠ Caution: When water is used as the operating fluid, keep the surge pressure below the maximum working pressure. Also, do not allow the water to freeze.

☞ See page 10 for common instructions for tubing products.

Applicable fittings



Related products and product introduction



Contact us for 2- and 3-dimensional bending processing.

Reference

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