

N5

Soft nylon

Features

- Most flexible nylon tubing.
- High abrasion resistance.
- High oil resistance and chemical resistance.



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	Yellow	Blue	Green	Red
					BK	MW	YL	BU	GN	RE
N5-4-4×2	4×2	1.8	10	11	●	○	●	●	●	●
N5-4-4×2.5	4×2.5	1.2	15	8	●	○	—	—	—	—
N5-4-4×3	4×3	0.7	20	6	●	○	●	●	●	●
N5-4-6×4	6×4	1.1		17	●	○	●	●	●	●
N5-4-6×4.5	6×4.5	0.7	35	13	●	○	●	●	●	●
N5-4-8×6	8×6			23	●	○	●	●	●	●
N5-4-10×7.5	10×7.5	0.6	45	35	●	○	●	●	●	●
N5-4-10×8	10×8			29	●	○	●	●	●	●
N5-4-12×9	12×9	0.7	100	51	●	○	—	—	—	—
N5-4-16×13	16×13	0.6		70	●	○	—	—	—	—

● 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
N5-1-3/16	4.76×3.48	0.8	16.0	9.0	●	○
N5-1-1/4	6.35×4.57		23.0	16.0	●	○
N5-1-5/16	7.94×5.90		29.0	23.0	●	○
N5-1-3/8	9.53×6.99			35.0	●	○
N5-1-1/2	12.70×9.56		45.0	58.0	●	○

Standard length

20M, 100M

Product number example

N5 - 4 - 6x4 - BK - 100M

Standard length (20M, 100M)
Tubing color symbol
Size (millimeter: outer × inner, inch: outer)
Group (4: millimeter, 1: inch)
Tubing name

Operating fluid, working temperature range

Operating fluid	Working temperature range
Air	-40°C~+100°C
Water	0°C~+50°C
General operating oil	-40°C~+100°C

☞ Contact us for other operating fluids.

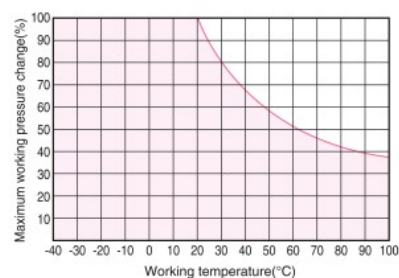
Negative pressure performance

-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 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



Reference

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