Clean-conscious

product

Fluorocarbon Resin Tubing



For clean, heat-resistant, cold-resistant, chemical-resistant use

Features

- FEP (copolymer of tetrafluoroethylene hexafluoropropylene) resin tubing with high chemical resistance.
- Produced, end-sealed, heat-sealed for shipping in a cleanroom.
- Easy cleaning with extremely little remaining fluid inside.
- Usable for clean fittings of Chemifit C1 series.
- Less aged deterioration and high weather resistance.
- Usable in ozone environment.
- Compliant with the MHLW Ministerial Notification No.201(2006), MHW Ministerial Notification No.370(1959), Japan.

Product number table

Millimeter size type (Group 4)

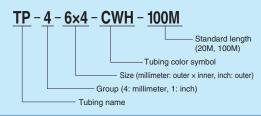
Туре	Outer diameter × Inner diameter (mm)	Max. working pressure (MPa at 20°C)	Min. bending radius (mm)	Weight (g/m)	Standard color (color symbol)
					Translucent
					CWH
TP-4-4×2	4×2	2.5	15	20	0
TP-4-4×2.5	4×2.5	1.7	30	17	0
TP-4-6×4	6×4	1.6	25	34	0
TP-4-8×6	8×6	1.1	40	47	0
TP-4-10×8	10×8	0.8	60	61	0
TP-4-12×9	12×9	1.1	60	106	0
TP-4-12×10	12×10	0.7	90	74	0
TP-4-14×12	14×12	0.6	150	89	0
TP-4-21×18	21×18	0.6	500	200	0

*Made to Order

Inch size type (Group 1)

Туре	Outer diameter × Inner diameter (mm)	Max. working pressure (MPa at20°C)	Min. bending radius (mm)	Weight (g/m)	Standard color (color symbol) Translucent CWH
TP-1-3/16	4.76×3.48	1.1	20	18	0
TP-1-1/4	6.35×4.57		30	33	0
TP-1-5/16	7.94×5.90		40	48	0
TP-1-3/8	9.53×6.99		50	71	0
TP-1-1/2	12.70×9.56		60	118	0

Product number example



Standard length

20M, 100M

(字 TP-4-14×12, TP-4-21×18: 20M only

Operating fluid, working temperature range

Operating fluid	Working temperature range	
Air (clean air)	−65°C~+200°C	
Water (pure water)	0°C~+100°C	

(FContact us for various chemical liquids.

(FSee "Combination List of Tubing and Fitting" on page 8.

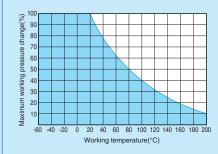
Negative pressure performance

-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, 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

Applicable fittings

















Applicable fittings









Reference

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

- Combinatory use of TP tubing and PushOne series / QuickSeal series mixes general and clean type performances. When using them together in a clean environment, be aware of how this could lower the cleanliness level. (*2) Contact us for specifications.