TOMBO[®] No.9003-RPL

NAFLON[™] RPL Tubing

In addition to the features of our NAFLON PTFE Tubing, NAFLON RPL Tubing has a spiral-shaped groove. This provides excellent flexibility, a small bending radius, low friction, and non-adhesivity. It also allows minimum loss of fluid from pressure and minimum attachment of fluid on the inner walls.

Features

Excellent flexibility

Specifications

- Material: PTFE
- Maximum service temperature: 200°C
- Maximum usage pressure: Please refer to page 22.

Standard sizes/properties

Standard inside diameter tubing (I)

Nomina diameter	Inside diameter of ends (mm)	Outside diameter of spiral part (mm)	Destructive pressure at ambient temp (MPa)	Minimum bending radius (mm)	Maximum length available (m)
6A	6	8.5	1.8	6.0	3.0
8A	8	10.5	1.4	7.0	3.0
10A	10	13.0	1.0	10.0	3.0
12A	12	16.0	0.9	15.0	3.0
15A ⁽¹⁾	16	17.5	0.8	25.0	3.0
1/4B	6.4	8.5	1.8	6.0	3.0
3/8B	9.5	13.0	1.0	10.0	3.0
1/2B	12.7	16.0	0.9	15.0	3.0



Standard outside diameter tubing (O)

Nomina diameter of ends (mm)Outside diameter of spiral part of spiral part <th colspan="9">3</th>	3								
8A 8 9.5 1.6 7.0 3.0 10A 10 12.0 1.3 9.0 3.0 12A 12 14.5 1.0 10.0 3.0 1/4B 6.4 8.5 1.8 6.0 3.0		diameter of ends	diameter	pressure at	bending radius	length available			
10A 10 12.0 1.3 9.0 3.0 12A 12 14.5 1.0 10.0 3.0 1/4B 6.4 8.5 1.8 6.0 3.0	6A	6	8.5	1.8	6.0	3.0			
12A 12 14.5 1.0 10.0 3.0 1/4B 6.4 8.5 1.8 6.0 3.0	8A	8	9.5	1.6	7.0	3.0			
1/4B 6.4 8.5 1.8 6.0 3.0	10A	10	12.0	1.3	9.0	3.0			
	12A	12	14.5	1.0	10.0	3.0			
3/8B 9.5 12.0 1.3 9.0 3.0	1/4B	6.4	8.5	1.8	6.0	3.0			
	3/8B	9.5	12.0	1.3	9.0	3.0			
1/2B 12.7 14.5 1.0 10.0 3.0	1/2B	12.7	14.5	1.0	10.0	3.0			

Measured by NICHIAS Corporation

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Notes: (1) Edge shape type A is the standard for 15A.

* The above dimensions are standard values. Please contact us separately about lengths greater than 3m.

% The values given above are intended as representative values, not standard values.

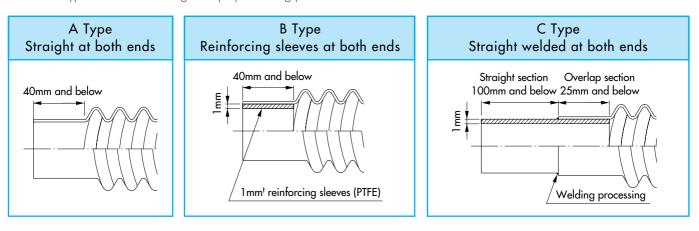
* Please consult us if you want to use them in applications involving repeated expansion or contraction and flexing.

Types

End sizes come in two types, an inner-diameter standard (I), and an outer-diameter standard (O), according to the application.

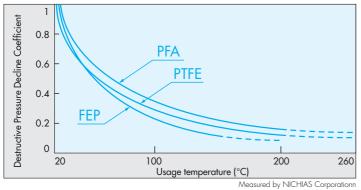
These tubing can be connected with pipes inside the tubing. These tubing can be connected with glass, metal and resin pipes Outer diameter standard tubing (I)

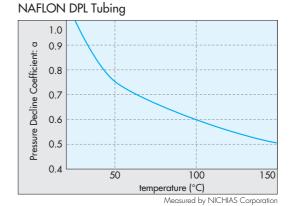
There tubing are suitable when using tubing joints. As for the end shapes, three types of structures are available according to the application. Please use Types B or C when using fluoropolymer tubing joints.



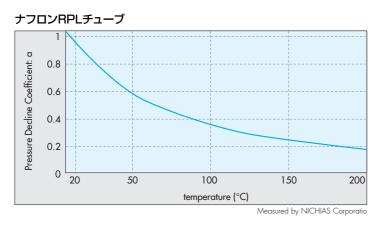
Destructive Pressure Decline Coefficient







*The values given above are intended as representative values, not standard values.



Please only use our tubing at pressures below PU.T as determined by the following formula:

