

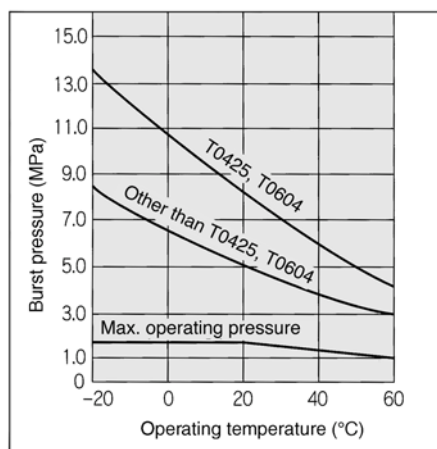
# Nylon Tubing

# Series T, TIA



For general air tubing  
Nylon tubing

## Burst Pressure Characteristics Curve



## Series Table

● : 20m roll □ : 100m roll

Model	Tube size												
	Metric size (Series T)							Inch size (Series TIA)					
	T0425	T0403	T0604	T0645	T0806	T1075	T1209	T1613	TIA01	TIA05	TIA07	TIA11	TIA13
Tube O.D. (mm)	4	4	6	6	8	10	12	16	3.18	4.76	6.35	9.53	12.7
Tube I.D. (mm)	2.5	3	4	4.5	6	7.5	9	13	2.18	3.48	4.57	6.99	9.56
Black (B)	□	●	□	●	□	●	□	●	●	●	●	●	●
White (W)	□	●	□	●	□	●	□	●	●	●	●	●	●
Red (R)	●	●	●	●	●	●	●	●	●	●	●	●	●
Blue (BU)	●	●	●	●	●	●	●	●	●	●	●	●	●
Yellow (Y)	●	●	●	●	●	●	●	●	●	●	●	●	●
Green (G)	●	●	●	●	●	●	●	●	●	●	●	●	●
	5/32"				5/16"				Nominal size (inch)				
									1/8"	3/16"	1/4"	3/8"	1/2"

## Specifications

Fluid	Air, Water												
Max. operating pressure	1.5MPa at 20°C												
Burst pressure	Refer to burst pressure characteristics curve.												
Min. bending radius (mm)	13	25	24	36	48	60	75	100	15	20	30	60	75
Operating temp.	-20 to +60°C (Water: 0 to 40°C) (No freezing)												
Material	Nylon 12												

## ⚠ Precautions

Be sure to read before handling.  
Refer to p.0-26 and 0-27 for Safety Instructions and common precautions on the products mentioned in this catalogue, and refer to p.2.0-7 and 2.0-8 for more detailed precautions of every series.

## ⚠ Caution

- Applicable for general industrial water. Consult SMC if using for other kinds of fluid. Surge pressure must be under the max. operating pressure. If exceeding that value, fitting may be damaged and tubing may be burst.
- The value of the max. operating pressure is at a temperature of 20°C. Refer to the burst pressure characteristics curve for other temperatures. Avoid abnormal temperature rise which may burst the tubing.
- The values of the min. bending radius is at a temperature of 20°C and O.D. variable rate 10% max. In case that operating temperature is higher than 20°C, O.D. variable rate may be over 10% even if bending radius is within the specified range.

## How to Order

T0425 B 20

Indication of tube model

Colour indication

Symbol	Colour
B	Black
W	White
R	Red
BU	Blue
Y	Yellow
G	Green

Length per roll

Symbol	Roll size*
20	20m roll
100	100m roll (Black and white only)

## Made to Order

- 100m roll for Metric size (black, white, red, blue, yellow, green) and Inch size (black, white, red, blue, yellow, green)

Suffix "-X3" to the end of part number.

Ex.) T0425R-100-X3

\* Consult SMC in case of ø16.

- 20m roll for Inch size (except black and white)

Suffix "-X4" to the end of part number.

Ex.) TIA01BU-20-X4

- Longer roll length (black, white, red, blue, yellow, green)

Suffix "-X3" to the end of part number.

Ex.) T0425B-500-X3

\* Available 150m for ø10, 200m for ø8, 500m for ø4 and ø6. Contact SMC for other lengths.

K□

M□

H□

D□

MS

T□

LQ

Clean Room