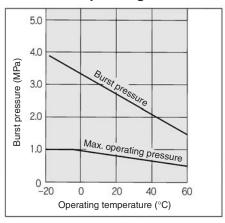
Polyurethane Tubing Series TU/TIUB RoHS

For general pneumatic tubing Flexible Polyurethane tubing Additional 21 new colors.

Burst Pressure Characteristics Curve and Operating Pressure



⚠ Precautions

Be sure to read before handling. Refer to front matters 58 and 59 for Safety Instructions and pages 13 to 16 for Fittings and Tubing Precautions.

∆ Caution

- 1. Applicable for general industrial water. Please consult with SMC if using for the other kind of fluid. Also, the surge voltage pressure must be under the maximum operating pressure. If the surge pressure exceeds the maximum operating pressure, it will result in damage to fittings and tubes.
- 2. The value of the max. operating pressure is at a temperature of 20°C. Refer to the burst pressure characteristics curve for other temperatures. Furthermore, abnormal temperature rises caused by adiabatic compression may result in the burst of the tube.
- The value of the minimum bending radius is measured at the temperature of 20°C as shown in the figure below.



Bend the tube into U-form at a temperature of 20°C. Fix one end and close loop gradually. Measure 2R when the tube breaks or is crushed.

Model/Specifications

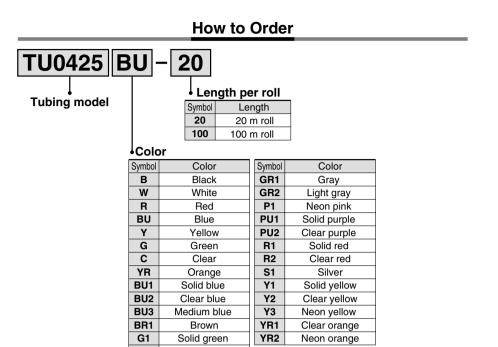
● — 20 m roll □ — 100 m roll

Tubing I.D. (mm) 1.2 2.5 4 5 6.5 8 10 2 3.18 4.23 6.35 8.44 Black (B)	wodel/Spec	☐ A—Option ——Manufactured upon receipt of order (Please consult with SMC.)											
Model Tubing O.D. (mm) 2 4 6 8 10 12 16 3.18 4.76 6.35 9.53 12. Tubing I.D. (mm) 1.2 2.5 4 5 6.5 8 10 2 3.18 4.23 6.35 8.40 White (w) Red (R) Blue (BU) Yellow (Y) Green (G) Clear (C) Orange (YR) Solid green (G1) Clear green (G2) Reon girls (GR2) Reon girls (GR2		Tubing size											
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Fluid	Air/Water											
Max. operating pressure at 20°C	0.8 MPa											
Burst pressure	Refer to the burst pressure characteristics curve.											
Applicable fittings		One-touch fittings, Insert fittings, Self-align fittings, Miniature fittings										
Min. bending radius (mm)	4	10	15	20	27	35	45	10	15	23	27	35
Operating temperature	-20 to +60°C (Water: 0 to 40°C) (No freezing)											
Material	Polyurethane											



Polyurethane Tubing Series TU/TIUB



K

M

H□ KK

D□

MS

LQ

MQR



Made to Order

(Please contact SMC for specifications in detail, dimensions, delivery and specifications other than those mentioned above.)

100 m reel

Metric size and Inch size: Suffix "-X3" to the end of part number. Ex.) TU0425R-100-X3

Longer length reel

Metric size: Suffix "-X3" to the end of part number. Ex.) TU0425G-500-X3

20 m roll

Inch size: Suffix "-X4" to the end of part number. Ex.) TIUB07W-20-X4

Made to Order Availability

G2

G3

G4

Clear green

Neon green

Dark green

Part no.	Length Model	TU0425*	TU0604*	TU0805*	TU1065*	TU1208*	TIUB01*	TIUB05*	TIUB07*	TIUB11*	TIUB13*	Color
	100 m reel	0	0	0	0	0	0	0	0	0	0	Black, White, Red,
хз	200 m reel			0								Blue, Yellow, Green,
	400 m reel		0									Clear, Orange
	500 m reel	0										Clear, Orange
X4	20 m roll							0	0	0	0	Red, White, Yellow, Green, Clear, Orange

