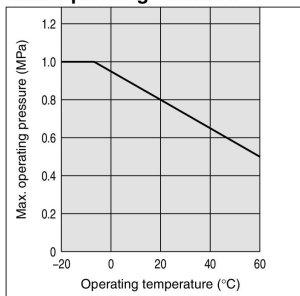


Polyurethane Tubing TU/TIUB Series

RoHS

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

Max. Operating Pressure

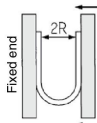


⚠ Precautions

Be sure to read this before handling the products.
Refer to back page 50 for Safety Instructions and pages 13 to 17 for Fittings and Tubing Precautions.

⚠ Caution

- 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.
- Abnormal temperature rise caused by adiabatic compression may result in the tube bursting.
- 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 (TU1610 is reel.) ◇ — 100 m roll, 200 m roll
△ — Option ■ — Manufactured upon receipt of order (Please consult with SMC.)

Model	Metric size (TU series)											Inch size (TIUB series)				
	TU0212	TU0425	TU0604	TU0805	TU1065	TU1208	TU1610	TIUB01	TIUB05	TIUB07	TIUB11	TIUB13				
Tubing O.D. (mm)	2	4	6	8	10	12	16	3.18	4.76	6.35	9.53	12.7				
Tubing I.D. (mm)	1.2	2.5	4	5	6.5	8	10	2	3.18	4.23	6.35	8.46				
Black (B)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
White (W)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Red (R)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Blue (BU)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Yellow (Y)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Green (G)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Clear (C)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Orange (YR)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Solid blue (BU1)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Clear blue (BU2)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Medium blue (BU3)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Brown (BR1)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Solid green (G1)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Clear green (G2)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Neon green (G3)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Dark green (G4)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Gray (GR1)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Light gray (GR2)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Neon pink (P1)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Solid purple (PU1)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Clear purple (PU2)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Solid red (R1)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Clear red (R2)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Silver (S1)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Solid yellow (Y1)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Clear yellow (Y2)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Neon yellow (Y3)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Clear orange (YR1)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Neon orange (YR2)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Fluid		Air/Water											
Max. operating pressure (MPa)	20°C	0.8											
	40°C	0.65											
	60°C	0.5											
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											