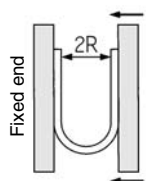


# Hard Polyurethane Tubing/Standard Type

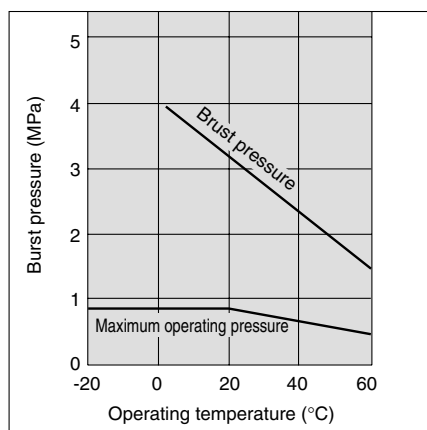
## Series *TUH*

RoHS



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.

### 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

- Please consult with SMC regarding other fluids. Because ester polyurethane is used, water cannot be used due to the occurrence of hydrolysis.
- 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 above.

### Model/Specifications

● — 20 m roll □ — 100 m roll

Model	TUH0428	TUH0644	TUH0858	TUH1073	TUH1288
O.D. (mm)	4	6	8	10	12
I.D. (mm)	2.8	4.4	5.8	7.3	8.8

Black (B)	●	●	●	●	●
White (W)	□	□	□	□	□
Blue (BU)	●	●	●	●	●
Translucent (N)	□	□	□	□	□

Fluid	Air				
Max operating pressure (at 20°C)	0.8 MPa				
Applicable fittings	One-touch fittings				
Min. bending radius (mm)	10	18	24	30	36
Burst pressure	Refer to the burst pressure characteristics curve.				
Operating temperature	-20 to 60°C				
Material	Polyurethane				

### How to Order

**TUH0644**

**B**

**20**

Tubing model ●

● Length per roll

Symbol	Length
20	20 m roll
100	100 m roll

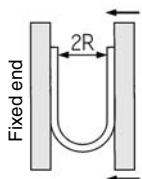
● Color

Symbol	Color
B	Black
W	White
BU	Blue
N	Translucent

# Hard Polyurethane Tubing/High Pressure Type

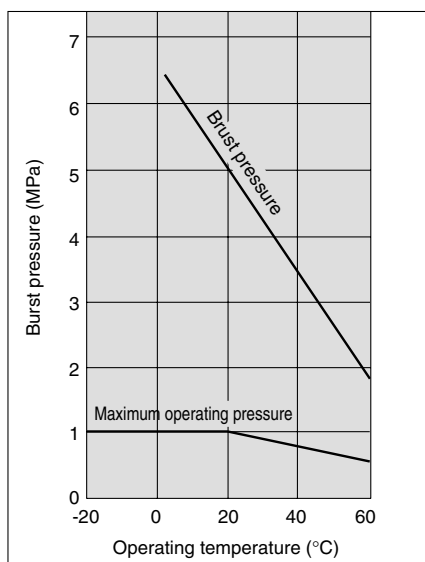
## Series *TUH*

RoHS



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.

### 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

- Please consult with SMC regarding other fluids. Because ester polyurethane is used, water cannot be used due to the occurrence of hydrolysis.
- 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 above.

### Model/Specifications

● — 20 m roll □ — 100 m roll

Model	TUH0425	TUH0604	TUH0805	TUH1065	TUH1208
O.D. (mm)	4	6	8	10	12
I.D. (mm)	2.5	4	5	6.5	8

Black (B)	●	□	□	●	●
White (W)	●	●	●	●	●
Blue (BU)	●	●	●	●	●
Translucent (N)	●	●	●	●	●

Fluid	Air				
Max operating pressure (at 20°C)	1.0 MPa				
Applicable fittings	One-touch fittings, Insert fittings, Self-align fittings, Miniature fittings				
Min. bending radius (mm)	10	15	20	27	35
Burst pressure	Refer to the burst pressure characteristics curve.				
Operating temperature	-20 to 60°C				
Material	Polyurethane				

### How to Order

TUH0604

-

20

Tubing model ●

● Length per roll

Symbol	Length
20	20 m roll
100	100 m roll

● Color

Symbol	Color
B	Black
W	White
BU	Blue
N	Translucent