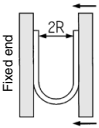


Hard Polyurethane Tubing/Standard Type

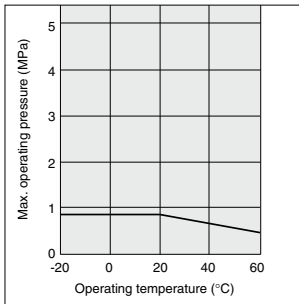
TUH Series

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.

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

1. Please consult with SMC regarding other fluids. Because ester polyurethane is used, water cannot be used due to the occurrence of hydrolysis.
2. Abnormal temperature rise caused by adiabatic compression may result in the tube bursting.
3. 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 |

| Color | TUH0428 | TUH0644 | TUH0858 | TUH1073 | TUH1288 |
|-----------------|---------|---------|---------|---------|---------|
| Black (B) | ● | ● | ● | ● | ● |
| White (W) | ● | ● | ● | ● | ● |
| Blue (BU) | ● | ● | ● | ● | ● |
| Translucent (N) | ● | ● | ● | ● | ● |

| | | | | | |
|------------------------------|--------------------|------|----|----|----|
| Fluid | Air | | | | |
| Max operating pressure (MPa) | 20°C | 0.8 | | | |
| | 40°C | 0.65 | | | |
| | 60°C | 0.5 | | | |
| Applicable fittings | One-touch fittings | | | | |
| Min. bending radius (mm) | 10 | 18 | 24 | 30 | 36 |
| Operating temperature | -20 to 60°C | | | | |
| Material | Polyurethane | | | | |

How to Order

TUH0644 B - 20

Tubing model

Length per roll

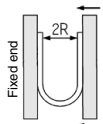
| Symbol | Length |
|--------|------------|
| 20 | 20 m roll |
| 100 | 100 m roll |

Color

| Symbol | Color |
|--------|------------------------------|
| B | Black (Opaque) |
| W | White (Opaque) |
| BU | Blue (Translucent) |
| N | Translucent (Material color) |

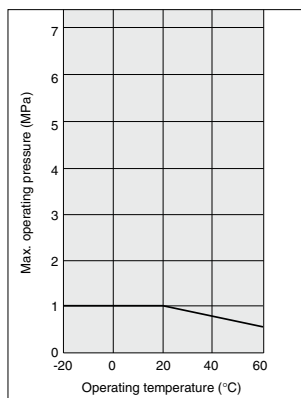
Hard Polyurethane Tubing/High Pressure Type *TUH Series*

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.

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

- Please consult with SMC regarding other fluids. Because ester polyurethane is used, water cannot be used due to the occurrence of hydrolysis.
- 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 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 (MPa) | 20°C | 1.0 | | | |
| | 40°C | 0.85 | | | |
| | 60°C | 0.7 | | | |
| Applicable fittings | One-touch fittings, Insert fittings, Miniature fittings | | | | |
| Min. bending radius (mm) | 10 | 15 | 20 | 27 | 35 |
| Operating temperature | -20 to 60°C | | | | |
| Material | Polyurethane | | | | |

How to Order

TUH0604 B - 20

Tubing model ●

● Length per roll

| Symbol | Length |
|--------|------------|
| 20 | 20 m roll |
| 100 | 100 m roll |

● Color

| Symbol | Color |
|--------|------------------------------|
| B | Black (Opaque) |
| W | White (Opaque) |
| BU | Blue (Translucent) |
| N | Translucent (Material color) |

KQ2

KQB2

KS
KX

KM

KF

M

H/DL
L/LL

KC

KK

KK130

DM

KDM

KB

KR

KA

KQG2

KG

KFG2

MS

KKA

KP

LQ

MQR

T

IDK