

# Clean Tubing: Polyolefin Tubing **TPH Series**

RoHS



Complies with FDA  
(Food and Drug Administration)  
\$175.300 dissolution test

● Applicable — Non-conformance

|            |   |
|------------|---|
| White (W)  | ● |
| Black (B)  | — |
| Red (R)    | — |
| Blue (BU)  | ● |
| Yellow (Y) | ● |
| Green (G)  | — |

## Model/Specifications

● — 20 m roll □ — 100 m roll

| Model     | TPH0425 | TPH0604 | TPH0806 | TPH1075 | TPH1209 |
|-----------|---------|---------|---------|---------|---------|
| O.D. (mm) | 4       | 6       | 8       | 10      | 12      |
| I.D. (mm) | 2.5     | 4       | 6       | 7.5     | 9       |

|            |   |   |   |   |   |
|------------|---|---|---|---|---|
| White (W)  | ● | ● | ● | ● | ● |
| Black (B)  | ● | ● | ● | ● | ● |
| Red (R)    | ● | ● | ● | ● | ● |
| Blue (BU)  | ● | ● | ● | ● | ● |
| Yellow (Y) | ● | ● | ● | ● | ● |
| Green (G)  | ● | ● | ● | ● | ● |

| Fluid                         |      | Air/Nitrogen gas/Water/DI water (Pure water) <sup>(1)</sup>   |     |      |      |      |
|-------------------------------|------|---|-----|------|------|------|
| Max. operating pressure (MPa) | 20°C | 1   | 1   | 0.7  | 0.7  | 0.7  |
|                               | 40°C | 0.8   | 0.8 | 0.57 | 0.57 | 0.57 |
|                               | 60°C | 0.6   | 0.6 | 0.43 | 0.43 | 0.43 |
|                               | 80°C | 0.4   | 0.4 | 0.3  | 0.3  | 0.3  |
| Min. bending radius (mm)      |      | 15  | 25  | 35   | 45   | 55   |
| Applicable fittings           |      | Clean one-touch fittings<br>One-touch fittings, Metal: KQB2 series<br>One-touch fittings, Stainless steel 316: KQG2 series<br>Insert fittings |     |      |      |      |
| Operating temperature         |      | - 20 to 80°C, For water 5 to 80°C   |     |      |      |      |
| Material                      |      | Polyolefin resin  |     |      |      |      |

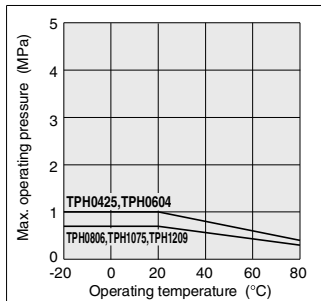
Note 1) Please consult with SMC regarding other fluids.

Note 2) Abnormal temperature rise caused by adiabatic compression may result in the tube bursting.

Note 3) The minimum bending radius indicates the value at a temperature of 20°C with an outside diameter rate of change of 10% or less.

Note 4) Polyolefin resin is not suitable for regular pneumatic equipment piping because it is not resistant to mineral oil.

## Max. Operating Pressure



## How to Order

TPH0604 B - 20

Tubing model ●

Color ●

Length per roll ●

| Symbol | Color                  |
|--------|------------------------|
| W      | White (Material color) |
| B      | Black (Opaque)         |
| R      | Red (Opaque)           |
| BU     | Blue (Opaque)          |
| Y      | Yellow (Opaque)        |
| G      | Green (Opaque)         |

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