

Antistatic Tubing

TAS Series



Conductive tube prevents troubles caused by static electricity.

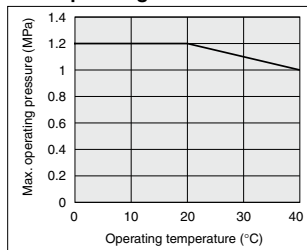
Antistatic Soft Nylon Tubing: TAS Series

For pneumatic piping and applications which require the measures against antistatic electricity.

Flame resistant tubing (Equivalent to UL-94 standard V-0)



Max. Operating Pressure



⚠️ Precautions

Be sure to read this before handling the products. Refer to page 11 for safety instructions and pages 14 to 18 for fittings and tubing precautions.

⚠️ Caution

- Abnormal temperature rise caused by adiabatic compression may result in the tube bursting.
- The minimum bending radius indicates the value at a temperature of 20°C with an outside diameter rate of change of 10% or less.
- Please exercise caution when using this item in a clean room. There is a possibility of plasticizer and other materials precipitating on the tube surface and detracting from the cleanliness level of the room.

Model/Specifications

● — 20 m roll □ — 100 m reel

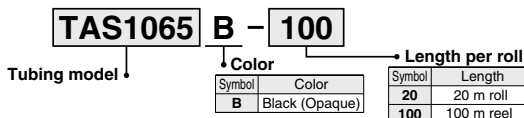
Model	TAS3222	TAS0425	TAS0604	TAS0805	TAS1065	TAS1208
Tubing O.D. (mm)	3.2	4	6	8	10	12
Tubing I.D. (mm)	2.2	2.5	4	5	6.5	8
Black (B)	●	●	●	●	●	●
Fluid	Air					
Max. operating pressure (MPa)	20°C					
	40°C					
Operating vacuum pressure (kPa) <small>Note 1)</small>	-101.3					
Recommended fittings	Antistatic one-touch fittings: KA series Miniature fittings: M and MS series <small>Note 2)</small>					
Minimum bending radius (mm)	12	12	15	19	27	32
Operating temperature	0 to 40°C					
Material	Conductive nylon + Flame resistant nylon (Equivalent to UL-94 standard V-0)					
Surface resistance	10 ⁴ to 10 ⁷ Ω					

Note 1) The operating vacuum pressure varies depending on the applicable fitting, so refer to the fitting specifications for details.

Note 2) Miniature fittings: Only the following types are available for M and MS series

M Series	MS Series
M-3AU-3, M-3AU-4, M-5AU-3, M-5AU-4 M-5AU-6, M-5H-4, M-5H-6	MS-5AU-3, MS-5AU-4, MS-5AU-6 MS-5H-4, MS-5H-6

How to Order



Made to Order

Coil Tubing

Please contact SMC for details.

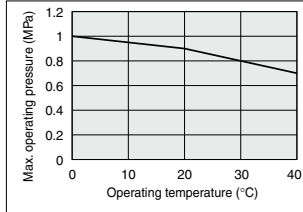
Antistatic Polyurethane Tubing: TAU Series

For pneumatic piping and applications which require the measures against antistatic electricity.

Flexible tubing



Max. Operating Pressure

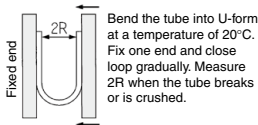


⚠ Precautions

Be sure to read this before handling the products. Refer to page 11 for safety instructions and pages 14 to 18 for fittings and tubing precautions.

⚠ Caution

- 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 below.



- Because ester polyurethane is adopted, water cannot be used due to the occurrence of hydrolysis.

Model/Specifications

Model	TAU3220	TAU0425	TAU0604	TAU0805	TAU1065	TAU1208
Tubing O.D. (mm)	3.2	4	6	8	10	12
Tubing I.D. (mm)	2	2.5	4	5	6.5	8

Black (B)	●	□	●	□	●	□
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Fluid		Air
Max. operating pressure (MPa)	20°C	0.9
	40°C	0.7
Operating vacuum pressure (kPa) <small>Note 1)</small>		-101.3
Recommended fittings		Antistatic one-touch fittings: KA series Miniature fittings: M and MS series <small>Note 2)</small>
Minimum bending radius (mm)		10 10 15 20 27 35
Operating temperature		0 to 40°C
Material		Antistatic polyurethane
Surface resistance		10 ¹ to 10 ⁹ Ω

Note 1) The operating vacuum pressure varies depending on the applicable fitting, so refer to the fitting specifications for details.

Note 2) Miniature fittings: Only the following types are available for M and MS series

M Series	MS Series
M-3AU-3, M-3AU-4, M-5AU-3, M-5AU-4 M-5AU-6, M-5H-4, M-5H-6	MS-5AU-3, MS-5AU-4, MS-5AU-6 MS-5H-4, MS-5H-6

How to Order

TAU1065 B - 100

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Tubing model

Symbol	Color
B	Black(Opaque)

Color

Symbol	Length
20	20 m roll
100	100 m reel

Length per roll

Antistatic Polyurethane Tubing: TAU Series

Made to Order

- Coil Tubing** **Flat Tubing** Please contact SMC for details.
 Color Tubing

- 5 colors
- Surface resistance $10^9 \Omega$

Specifications

Model	0212	0425	0604	0805	1065	1208
Fluid	Air					
Max. operating pressure (MPa)	20°C	0.8				
40°C	0.65					
Operating vacuum pressure (kPa) <small>Note 1)</small>	-101.3					
Ambient and fluid temperature	0 to 40°C					
Min. bending radius (mm)	4	10	15	20	27	35
Material	Antistatic polyurethane					
Surface resistance	$10^9 \Omega$					
Recommended fittings	Antistatic One-touch fittings: KA series Miniature fittings: M and MS series <small>Note 2)</small>					

Note 1) The operating vacuum pressure varies depending on the applicable fitting, so refer to the fitting specifications for details.

Note 2) Miniature fittings: Only the following types are available for M and MS series

M series	MS series
M-3AU-2, M-3AU-4	MS-5AU-4, MS-5AU-6
M-5AU-2, M-5AU-4	MS-5H-4, MS-5H-6
M-5AU-6, M-5H-4	
M-5H-6	

How to Order

