

Antistatic Tubing

TAS Series



Conductive tube prevents troubles caused by static electricity.

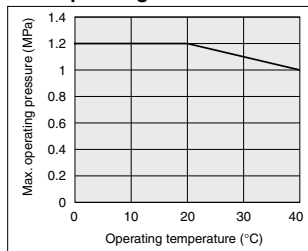
Antistatic Soft Nylon Tubing: TAS Series

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

1. Abnormal temperature rise caused by adiabatic compression may result in the tube bursting.
2. The minimum bending radius indicates the value at a temperature of 20°C with an outside diameter rate of change of 10% or less.
3. 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

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

Color	Symbol	Length per roll
Black (B)	●	20 m roll
	□	100 m reel

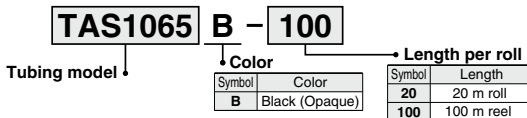
Fluid	Air					
Max. operating pressure (MPa)	20°C	1.2				
	40°C	1.0				
Operating vacuum pressure (kPa) <small>Note 1)</small>	-101.3					
Recommended fittings	Antistatic one-touch fittings: KA series Miniature fittings: M and MS series <small>Note 2)</small>					
Minimum bending radius (mm)	12	12	15	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.

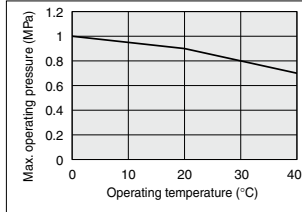
Antistatic Polyurethane Tubing: TAU Series

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

Flexible tubing



Max. Operating Pressure

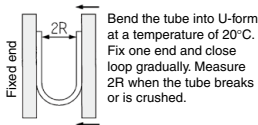


⚠ Precautions

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

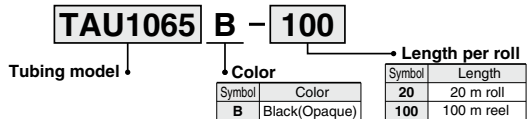
Black (B)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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Fluid		Air
Max. operating 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 ⁴ 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



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)	0.8					
40°C	0.65					
Operating vacuum pressure (kPa) ^{Note 1)}	-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	$10^9 \Omega$ ^{Note 2)}					
Recommended fittings	Antistatic One-touch fittings: KA series Miniature fittings: M and MS series ^{Note 3)}					

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

Note 2) Figures shown in tables are representative values, not guaranteed values.

Note 3) 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

TAU 0604 BU - 20 - X100

Antistatic Polyurethane Tubing

Antistatic polyurethane color tubing

↓ Tubing size

Symbol	O.D. x I.D.
0212	ø2 x ø1.2
0425	ø4 x ø2.5
0604	ø6 x ø4
0805	ø8 x ø5
1065	ø10 x ø6.5
1208	ø12 x ø8

↓ Length per roll m

Symbol	Length
20	20 m roll

↓ Color

Symbol	Color	Symbol	Color
W	White (Translucent)	G	Green (Translucent)
BU	Blue (Translucent)	C	Clear (Material color)
B	Black (Opaque)	—	—