

Antistatic Tubing

Series TA□

RoHS

Conductive tube prevents troubles caused by static electricity.

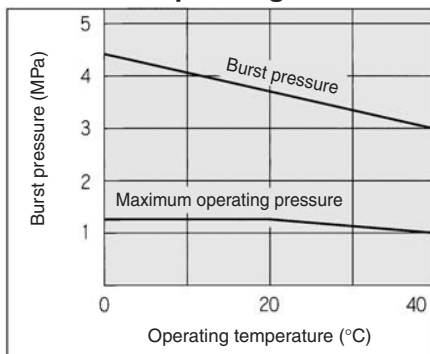
Antistatic Soft Nylon Tubing: Series TAS

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

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



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

1. Refer to the burst pressure characteristics curve for other temperatures. Avoid abnormal temperature rises caused by adiabatic compression.
2. The value at temperature of 20°C and O.D. variable rate 10% max.

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
Black (B)	●	●	●	●	●	●
Max. operating pressure (at 20°C)	1.2 MPa					
Burst pressure	Refer to the burst pressure characteristics curve.					
Recommended fittings	Antistatic one-touch fittings: Series KA Miniature fittings: Series M and MS ^{Note)}					
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) Miniature fittings: Only the following types are available for Series M and MS

Series M	Series MS
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

TAS1065	B	100
Tubing model	Color	Length per roll
	Symbol Color	Symbol Length
	B Black	20 20 m roll
		100 100 m reel

Made to Order

Coil Tubing

Please contact SMC for details.

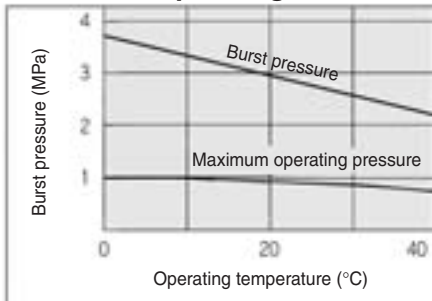
Antistatic Polyurethane Tubing: Series TAU

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

Flexible tubing



Burst Pressure Characteristics Curve and Operating Pressure

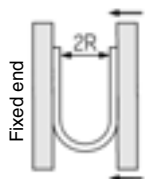


⚠ Precautions

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

1. Refer to the burst pressure characteristics curve for other temperatures. Avoid abnormal temperature rises caused by adiabatic compression.
2. The value of the minimum bending radius is measured at the temperature of 20°C as shown below.



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.

3. 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)	●	●	●	●	●	●
Max. operating pressure at 20°C	0.9 MPa					
Burst pressure	Refer to the burst pressure characteristics curve.					
Recommended fittings	Antistatic one-touch fittings: Series KA Miniature fittings: Series M and MS ^{Note)}					
Minimum bending radius (mm)	10	10	15	20	27	35
Operating temperature	0 to 40°C					
Material	Conductive polyurethane					
Surface resistance	10 ⁴ to 10 ⁷ Ω					

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

Series M	Series MS
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
Tubing model	Color	Length per roll
	Symbol Color	Symbol Length
	B Black	20 20 m roll
		100 100 m reel

Made to Order

Coil Tubing

Flat Tubing

Please contact SMC for details.

Color Tubing

- 5 colors
- Surface resistance 10⁹ Ω

Specifications

Fluid	Air
Max. operating pressure at 20°C	0.8 MPa
Ambient and fluid temperature	0 to 40°C
Material	Antistatic polyurethane
Surface resistance	10 ⁹ Ω
Recommended fittings	Antistatic one-touch fittings: Series KA Miniature fittings: Series M and MS ^{Note)}

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

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

How to Order

TAU	0604	BU	20	X100
Antistatic Polyurethane Tubing		Antistatic polyurethane color tubing	Length per roll	
			Symbol Length	
			20 20 m roll	
		Color	Symbol Color	Symbol Color
		W White	G Green	
		BU Blue	C Clear	
		B Black	—	—