Soft Nylon Tubing TS/TISA Series RoHS

For general pneumatic tubing Pliable soft nylon tubing

Max. Operating Pressure



tions.

\land Caution

- 1. Compatible with water due to a change in materials. Compatible fluid types are printed on the tube body for differentiation, so please be sure to check this. Note) If using the previous TS/TISA series with "water", the tube may shrink and cause air leakage or the tube may fall out.
- 2. The products which changed the material are applicable for general industrial water. Please contact SMC if using other kinds of fluid. Surge pressure must be under the max. operating pressure. If the surge pressure exceeds the maximum operating pressure, it will result in damage to fittings and tubes.
- 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.



At a temperature of 20°C, bend the tubing into a U shape. Fix one end and gradually move the other end closer. Measure 2R at the point where the outside diameter's rate of change is 10%.



Specifications

			\ir/Wate	r Note 1)	F	Fitting: One-touch fittings, Insert fittings, Self-align fittings, Miniature fittings								
fitting size Note 2) Note 3)		Fluid: Turbine oil class 1 (ISO VG32) Note 4 Fitting: Insert fittings												
operating pressure MPa	20°C or less	2.0	1.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3		
	40°C	1.4	1.2	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9		
	60°C	1.0	0.85	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		
	80°C	0.8	0.65	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		
Note 2)	100°C	0.6	0.45	0.35	0.35	0.35	0.4	0.35	0.35	0.35	0.35	0.35		
Min. bending	Win. bending radius	15	23	45	55	65	90	18	27	30	55	65		
radus mm ^{1ke s}	Bending value (Reference)	12	17	34	42	50	70	12	15	23	42	50		
Operating	Operating temperature Note 2)		Air/Oil: -40 to +100°C, Water: 0 to +50°C (No freezing)											
Mater	Material		Nylon 12											

Image: Image:

Printing/Fluid

	Fluid	
Previous	SMC TS 0604 SOFTNYLON 6 x 4	Air
NEW	SMC TS 0604 SOFTNYLON 6 x 4	Air/Water
	-	

How to Order



Red, Blue, Yellow, Green

Made to Order

X4 20 m roll

				(Pi	ease contact	SMC for speci	fications in del	tail, dimension	s, delivery an	d specification	s other than th	ose mentioned above.)
100 m reel		Metric size and Inch size except ø16: Suffix "-X3" to the end of part number. Ex.) TS0425R-100-X3										
Longer	length reel	Metric size: Suffix "-X3" to the end of part number. Ex.) TS0425G-500-X3										
20 m roll		Inch size: Suffix "-X4" to the end of part number. Ex.) TISA01BU-20-X4										
Made to Order Availability												
Part no.	Length	TS0425	TS0604□	TS0806□	TS1075□	TS1209□	TISA01	TISA05	TISA07	TISA11	TISA13	Color
	100 m reel	0	0	0	0	0	0	0	0	0	0	Black, White,
X3	150 m reel				0							Red. Blue.
X3	200 m reel			0								Yellow, Green

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