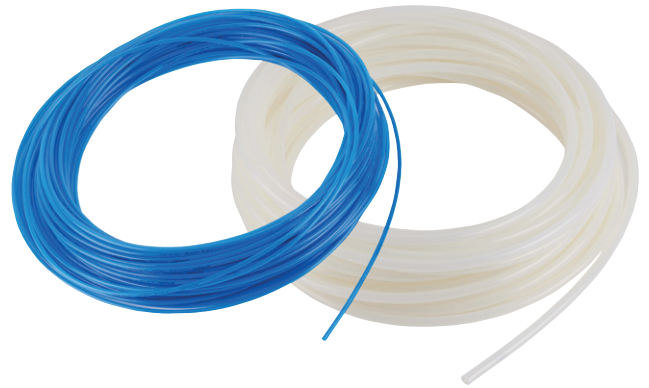


PS series Super Flexible Polyamide Tube

- Super flexible high-quality pneumatic tube with particular good mechanical and chemical properties, which keeps the flexibility throughout its lifetime
- Flexibility is equal to that of Polyurethane but with higher pressure resistance, UV resistance and resistance to hydrolysis (breakdown due to reaction with water)
- Packaging - wrapped coils or box/cartons
- Tube diameters 4 ... 12 mm



Technical features

Medium:

Compressed air. Consult our technical service for use with other fluids.

Flame resistance:

HB (UL 94)

Compliance:

EC Regulation 1907/2006 (REACH)
Directive 2011/65/EU (ROHS)
Does not contain dual use additives

Approvals:

Not approved for food contact

Operating pressure:

Refer to specific data below

Surface hardness:

Shore D 53

Ambient/Media temperature:

-40°C to +60°C

Flexural modulus:

190 MPa

Material:

Plasticized Polyamide 11 (PA11)

Moisture absorption:

< 1,0 %

Models

Colour	Length (m)	Packaging	O/D, I/D tube (mm)				
			4,0/2,5	6,0/4,0	8,0/6,0	10,0/8,0	12,0/9,0
Natural	25	Box/Carton	—	—	PS0008025	PS0010025	PS0012025
Grey	25	Box/Carton	—	—	PS0608025B/LP	PS0610025B/LP	PS0612025B/LP
Natural	50	Box/Carton	PS0004050B/LP	PS0006050B/LP	—	—	—
Red	50	Box/Carton	PS0104050B/LP	PS0106050B/LP	—	—	—
Green	50	Box/Carton	PS0204050B/LP	PS0206050B/LP	—	—	—
Yellow	50	Box/Carton	PS0304050B/LP	—	—	—	—
Orange	50	Box/Carton	PS0404050B/LP	—	—	—	—
Blue	50	Box/Carton	PS0504050B/LP	PS0506050B/LP	—	—	—
Grey	50	Box/Carton	PS0604050B/LP	PS0606050B/LP	—	—	—
Black	50	Box/Carton	PS0704050B/LP	PS0706050B/LP	—	—	—

Colour	Length (m)	Packaging	O/D, I/D tube (mm)				
			4,0/2,7	6,0/4,5	8,0/6,0	10,0/7,5	12,0/9,0
Black	100	Wrapped coil	4MMSUPERFLEX/S	6MMSUPERFLEX/S	8MMSUPERFLEX/S	10MMSUPERFLEX/S	12MMSUPERFLEX/S

Technical data

Dimension mm OD/ID	Tolerance mm OD	ID	Weight g/m	Bending radius mm	Working pressure bar at temp. below		
					20°C	60°C	80°C
4,0/2,5	+/-0,1	+/-0,1	8,0	10	27	14	11
4,0/2,7	+/-0,1	+/-0,1	7,2	10	23	12	9
6,0/4,0	+/-0,1	+/-0,1	16,5	20	23	12	10
6,0/4,5	+/-0,1	+/-0,1	13,0	20	17	9	7
8,0/6,0	+/-0,1	+/-0,1	23,1	40	17	9	7
10,0/7,5	+/-0,1	+/-0,1	36,1	50	17	9	7
10,0/8,0	+/-0,1	+/-0,1	29,7	50	13	7	5
12,0/9,0	+/-0,1	+/-0,1	52,0	50	17	9	7

Tolerance: Produced in accordance with DIN 16982
Bending radius: 90° bending with min. deformation at 20°C
Working pressure: Theoretical value based on hoop stress data and a safety factor of 2,5 of burst pressure. Working pressure is stated for air only.

Accessories

Tubing channels			Tube clips – single sided			Tube cutter	
							
Model	Tube Ø	No. of channels	Model	Tube Ø	Number of tubes	Model	Description
100HA0600	6	10	34021804	6	1	M/3314	Cutter
100HA0800	8	10	34021904	6	2		
100H61200	12	6	34021805	8	1	39012061	Replacement blade (pack of 10)
			34021905	8	2		
			34021806	10	1		
			34021906	10	2		
			34021807	12	1		
			34021907	12	2		
			34021508	16	1		

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/data**«. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren Ltd. Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure. System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided. System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.