

Spiral tube PA6 polyamide


Technical data:

Standard tube color is blue.
Temperature range: -20°C to +90°C

With temperature the pressure changes as follows:

-20°C	0°C	20°C	40°C	60°C	80°C	90°C
180%	140%	100%	70%	50%	45%	38%

Outside diameter ∅ D mm	Inside diameter ∅ d mm	Spiral diameter	Max. pressure at 20°C [MPa]	Order codes
6	4	72	3.0	3010 1006 0400 0010
8	6	96	2.1	3010 1008 0600 0010
10	8	120	1.7	3010 1010 0800 0010
12	10	144	1.3	3010 1012 1000 0010

The length of the coil hose is specified in the unfolded state. The working length is maximum 1/2 length (0.3 to 0.4 times recommended) of the unfolded state. The maximum possible length is 30 m in the unfolded state. Tubes can be connected for longer lengths.



We recommend to use straight push-on fittings with tube guard for spiral tubes. See page 10-7.



Tube PE-LD polyethylene


Technical data:

Temperature range: -5°C to +40°C
The tube is only suitable for low air pressure applications.

Outside diameter ∅ D mm	Inside diameter ∅ d mm	Min. bending radius	Max. pressure at 20°C [MPa]	Order codes - color	
				transparent	blue
6	4	28	1.7	3070 0006 0400 0015	3070 0006 0400 0010
8	6	40	1.3	3070 0008 0600 0015	3070 0008 0600 0010
10	8	57	0.9	3070 0010 0800 0015	3070 0010 0800 0010
12	9	75	0.7	3070 0012 0900 0015	

Tube PTFE teflon


Technical data:

Standard tube color is transparent.
Temperature range: -200°C to +250
(200°C under static (dynamic) using.

With temperature the pressure changes as follows:

20°C	50°C	100°C	150°C	200°C
100%	50%	35%	30%	10%

Outside diameter ∅ D mm	Inside diameter ∅ d mm	Min. bending radius	Max. pressure at 20°C [MPa]	Order codes
4	2	20	2.5	3030 0004 0200 0015
6	4	40	1.8	3030 0006 0400 0015
8	6	60	1.4	3030 0008 0600 0015
10	8	100	1.2	3030 0010 0800 0015
12	10	120	1.0	3030 0012 1000 0015

Tube EPDM


Technical data:

Standard tube color is black.
Temperature range: -40°C to +95°C

Outside diameter ∅ D mm	Inside diameter ∅ d mm	Min. bending radius	Max. pressure at 20°C [MPa]	Order codes
13	6	72	2.0	3090 0013 0600 0020
15	8	96	2.0	3090 0015 0800 0020
17	10	120	2.0	3090 0017 1000 0020
21	13	156	2.0	3090 0021 1300 0020
24	16	192	2.0	3090 0024 1600 0020
28	19	228	2.0	3090 0028 1900 0020
35	25	300	2.0	3090 0035 2500 0020

Multipurpose flexible tube with high resistance to weathering, many chemicals, higher temperatures and sunlight. It is particularly suitable as a main supply of unlubricated compressed air or for backbone distributions in individual applications. It is also used to supply air to cylinders of larger diameters.

Metal protective tube



Outside diameter ∅ D mm	Inside diameter ∅ d mm	Suitable for tube diameter ∅ D/d mm	Order codes
10	8	6/4	3080 0006 0000 0000
13	10	8/9	3080 0008 0000 0000
16	13	10/8	3080 0010 0000 0000
19	16	12/10 a 12/9	3080 0012 0000 0000
21	18	15/12	3080 0015 0000 0000

Metal protective tubes are used where external influences could damage the surface of plastic tubes, for example:

- spark protection during welding
- protection against flying chips during machining
- crush protection, etc.

Material: galvanized steel