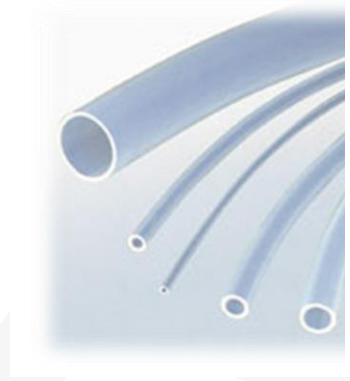


TECHNICAL DATA SHEET

POLYAMIDE 12 BRAKE TUBES

Product: PA12 BRAKE TUBES
Basic material: POLYAMIDE12 PHLY
Color: black or colour



Application:

- High-quality semi-flexible Polyamide 12 tubes are used for air-braking systems in trucks or trailers, industrial automation and fluids and gas handlings.
- Tubes are made to meet DIN 74324 or DIN 73378 .
- Available in sizes 4 – 18 mm.
- Very good cold temperature impact strength

Characteristics of PA12 Brake Tubes:

Density (ASTM D792): 1,01 – 1,04 g/cm³
 Operating temperature: -60 °C +130 °C
 Operating pressure at 23°C: in Tab.2.

Corrections ratios of working pressure for PA12 tubes according to working temperatures are in Tab.1

Tab.1

Temperature	-60°C to +23°C	30°C	40°C	50°C	60°	70°C	80°C
Pressure (%)	100%	85%	73%	65%	59%	54%	50%

Temperature	-60°C to +23°C	90°C	100°C	110°C	120°C	130°C
Pressure (%)	100%	47%	43%	39%	35%	31%



Tab.2 Tube dimensions, Directional values of operating pressures at 23 ° C, bendig radius and length of coil

Product code	Tube dimensions (mm)		Operating pressure at 23 °C (bar)	Bending radius min. mm	Length of coil* (m)
	O.D.	I.D.			
PA12 PHL Y 4x1	4 +/-0,1	2 +/-0,1	60	20	400, 100, 50
PA12 PHL Y 6x1	6 +/-0,1	4 +/-0,1	36	30	400, 100, 50
PA12 PHL Y 8x1	8 +/-0,1	6 +/-0,1	26	40	400, 100, 50
PA12 PHL Y 10x1	10 +/-0,1	8 +/-0,1	20	60	200, 100, 50
PA12 PHL Y 12x1,5	12 +/-0,15	9 +/-0,1	26	60	200, 100, 50
PA12 PHL Y 15x1,5	15 +/-0,15	12 +/-0,1	20	90	150, 100, 50
PA12 PHL Y 16x2	16 +/-0,15	12 +/-0,15	26	95	100, 50
PA12 PHL Y 18x2	18 +/-0,15	14 +/-0,15	23	95	50

Polyamide12 tubes are made by the extrusion technology with continuous laser control of outer diameters and continuous control of wall thickness by ultrasonic measurement.

Packaging:

Polyamide12 tubes are produced in coils. The length of coils for each diameter is in Tab.2.

Recommendation:

For specific chemical resistance information and technical assistance please contact us on e-mail: info@fillamentum.com

Producer of PA12 PHL Y Brake Tubes:

Invoicing and production address:

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