

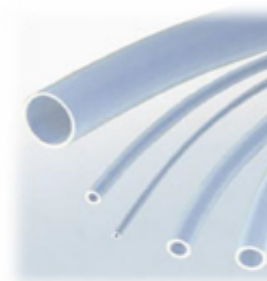
TECHNICAL DATA SHEET

POLYAMIDE 12 BRAKE TUBES

Product: PA12 BRAKE TUBES

Basic material: POLYAMIDE12 HIPHL

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
- Pa pipes HIPHL black are applicable for biodiesel and diesel

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%	83%	71%	62%	55%	49%	45%

Temperature	-60°C to +23°C	90°C	100°C	110°C	120°C	130°C
Pressure (%)	100%	41%	37%	34%	31%	29%

Product code	Tube dimensions (mm)		Operating pressure at 23 °C (bar)	Bending radius min. mm	Reel lenght (m)
	O.D.	I.D.			
PA12 HiPHL 4x1	4 +/-0,1	2 +/-0,1	49	20	400, 100, 50
PA12 HiPHL 6x1	6 +/-0,1	4 +/-0,1	29	30	400, 100, 50
PA12 HiPHL 8x1	8 +/-0,1	6 +/-0,1	21	40	400, 100, 50
PA12 HiPHL 10x1	10 +/-0,1	8 +/-0,1	16	60	200, 100, 50
PA12 HiPHL 12x1,5	12 +/-0,15	9 +/-0,1	21	60	200, 100, 50
PA12 HiPHL 15x1,5	15 +/-0,15	12 +/-0,1	16	90	150, 100, 50
PA12 HiPHL 16x2	16 +/-0,15	12 +/-0,15	21	95	100, 50
PA12 HiPHL 18x2	18 +/-0,15	14 +/-0,15	18	100	50

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