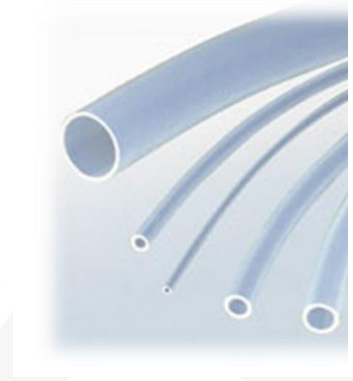


TECHNICAL DATA SHEET

POLYAMIDE 12 BRAKE TUBES

Product: PA12 BRAKE TUBES
Basic material: POLYAMIDE12 HIPHL
Colour: black



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 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%



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

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

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

Legal notice:

All the above information is based on technical knowledge obtained by the manufacturer and is provided without any guarantees, to the best of the manufacturer's knowledge, as background data for the customer, not as the supplier's guarantee. The customer is obligated to review all product properties themselves, especially with regard to the processing method pursued at their own equipment and the final application of the product. The present technical data sheet applies to all orders for the product referred to as Tube PA placed from its issue up to its recall, where relevant, or change. The supplier reserves the right to modify the technical data sheet related to the present product.

Producer of PA12 HIPHL Brake Tubes:

Invoicing and production address:

FILLAMENTUM AERDEO s.r.o.

nam. Miru 1217

768 24 Hulin

CZECH REPUBLIC

e-mail: milan@fillamentum.com | cell: + 420 725 929 735