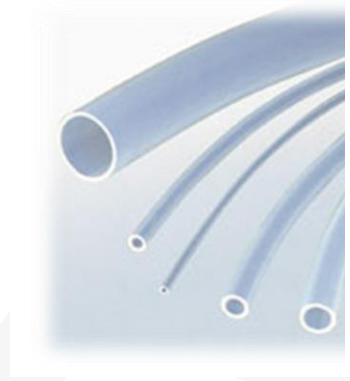


## TECHNICAL DATA SHEET

### POLYAMIDE 12 TUBES

**Product:** PA12 TUBES  
**Basic material:** POLYAMIDE12 HL  
**Color:** black or natural



**Application:**

- High-pressure Polyamide 12 tubes with a large wall thickness are used for air systems, industrial and low-pressure hydraulic lines.
- Available in sizes 4 and 6 mm.

**Characteristics of PA12 Tubes:**

Density (ASTM D792): 1,01 – 1,04 g/cm<sup>3</sup>

Operating temperature: 0 °C ..... +100 °C

colour black: UV-resistant

Hardness: 78 +/- 2 ShD according to standard ISO 7619-1

**Tab.1 Tube dimensions**

Product code	Tube dimensions (mm)		Bending radius min. mm	Operating pressure at 23 °C (bar)	Length of coil (m)
	O.D.	I.D.			
PA12 HL 4x1,5	4 +/-0,1	1,5 +/-0,1	30	min. 89	100
PA12 HL 6x3	6 +/-0,1	3 +/-0,1	45	min.89	100



Corrections ratios of working pressure for PA12 tubes according to working temperatures are in Tab.2

Tab.2

Temperature	+23°C	30°C	40°C	50°C	60°	70°C	80°C
Pressure (%)	100%	81%	61%	50%	44%	39%	34%

Temperature	+23°C	90°C	100°C	110°C	120°C	130°C
Pressure (%)	100%	31%	28%	26%	23%	21%

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.

Recommendation:

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

**Producer of PA12 HL Tubes:**

**Invoicing and production address:**

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