

## Product: Polyamide pneumatic tubes

### Description

Tubes are produced by extrusion of polyamide 12 (PA 12). The outer surface of the pipe is smooth, free of cracks and scratches. PA12 pipes are used for pressure air distribution and air brake systems.

PA12 tubes can be used in the temperature range from -60 ° C to +120 °C. Pressure resistance decreases with increasing temperature according to DIN 73 378. Tubes of PA12 are resistant to weathering and heat aging.

Tubes must be used so as to prevent them from sliding after sharp objects and not caused damage and deterioration or loss of their properties.

Any other transport medium than air, it is necessary to consult with the tubes manufacturer. Otherwise, later claims no disregarded.

Selection and use of pipes is critical:

- a) The operating temperature of the transport medium and its chemical and mechanical properties
- b) The external environment (mechanical and chemical influences)

### Characteristic

Material: PA12-PHLY  
Colour: natural

### Technical information

Outside diameter (mm)	Inside diameter (mm)	Wall thickness (mm)	Tolerance	Max. working pressure <sup>1)</sup> (bar)	Min. Bending radius <sup>2)</sup> (mm)	Weight per meter (g)
18.00	14.00	2.00	± 0.15	23	100	102.5

Tubes are produced in accordance with DIN 73 378 a DIN 74 324.

1) according DIN 73 378 in 23°C

2) according DIN 74 324 in 23°C

### Transport, storage and warranty

The product must be transported and stored only in original closed packaging at a clean place, free from other contamination, away from direct sunlight. Distance from the direct heat source must be at least 1 m. Before using the tubes are stored in their original packaging.

The product must be transported and stored only in original closed packaging at a clean, dry place. The product must be protected against direct heat radiation, against the influence of UV radiation, mechanical damage, etc. The distance from the direct source of heat must be at least 1 m. The recommended storage temperature is from -10 ° C to +40 ° C. Before using the pipes are stored in their original packaging.

D PLAST a.s. is responsible just for agreed manner and quality of the packaging. If no manner and / or quality of packaging is agreed, just for common type and quality described below. The customer must check whether the packaging conforms to the method of transport.

D PLAST a.s. is not responsible for any damage or loss resulting either entirely or partially from or in connection with transport.

When stored in their original packaging with storage time properties of the tubes does not change. Recommended period for use is 3 years from date of manufacture.

## **Packaging**

The tubes are manufactured in lengths of prescribed for each tube size. Coils are stored in cardboard packages on a pallet. Each coil has a label and each container with coils is labeled.

## **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.

*All deliveries of goods according to this Technical Data Sheet are regulated by General Business Terms and Conditions of company D PLAST a.s. in wording valid and effective to the date of order and Customer undertakes by his order to respects these General Business Terms and Conditions of company D PLAST a.s. which are to be downloaded on the webside [www.dplast.cz](http://www.dplast.cz).*