



PA12P40

A tube with high impact resistance. Ideal for high temperature installations. This tube also has good pressure resistance. PA12P40 is one of the most commonly used materials in pneumatics.

Suitable for use in pneumatics, industrial robots and instrumentation lines.



PA12P40 Commonly used PA quality

Material: Polyamide PA12P40 (Nylon 12)

Hardness: 70 Shore D

Structure: Single-layer tube

Installation temperature: -20 °C ... +50 °C

Tolerances: According to DIN 74324

Colours: Natural, black, blue, yellow, red, green, silver etc.

Density: 1,03 g/cm³ according to the ISO 1183 testing method

Chemical resistance: Good chemical resistance against oils, hydraulic fluids and fuels

Manufactured sizes: Outer diameter 3,0 mm ... 28,0 mm

Technical information

mm	+/-	mm	+/-	mm	bar 23°C	bar 40°C	bar 60°C	bar 80°C	mm	g/m
4	0,1	2	0,1	1	44	32	25	21	24	9,9
6	0,1	4	0,1	1	26	19	15	12	36	16,5
8	0,1	6	0,1	1	19	14	11	9	50	23,1
10	0,1	8	0,1	1	14	10	8	7	80	29,7
12	0,1	10	0,1	1	12	9	7	6	118	36,3
15	0,12	12,5	0,1	1,25	12	9	7	6	147	56,7

The safety factor for working pressure is 3.