Plastic tubing PU, standard I.D.

FESTO



Plastic tubing PU, standard I.D. Product range overview and technical data

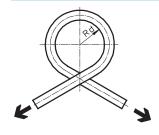


Version	Inside ∅	Colour	Operating medium		Resistance						010		rd			
		[mm]	Black	Compressed air	Vacuum	Chemicals	Microbes	UV radiation	Hydrolysis	Stress cracks	Food approval as per directive	Halogen-free	PWIS-free to FN 942 0	Suitable for chain link trunking	Approved by German Technical Control Boar	Shore hardness
	PU-9/13 TPE-U(PU) ¹⁾	13	•	•	-	_	-	++	+	+	ı	•	•	•	-	A 91 ±3 A 86 ±3

- 1) fibre-reinforced
- ++ Well suited
- Limited suitability (upon request)
- Unsuitable

Measuring methods

Flow-relevant bending radius Rd



The tubing is bent in the direction of its inherent flection until a 5% flattening of the tubing O.D. occurs. The Rd is then calculated.

There is no reduction in the flow rate up until the Rd is reached.

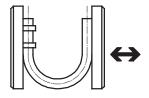


Cross section flattened as a result of bended tubing

d = non deformed tubing OD

d1 = deformed tubing OD

Minimum bending radius Rmin



The tubing attached to a movable plate is bent until the deformation results in a kink.

The measured value is the minimum bending radius Rmin. This Rmin leads to considerable reductions in flow.

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Plastic tubing PU

Highly flexible plastic tubing distinguished by its great resistance to abrasion and kinks.



Ambient temperature −35 ... +60 °C



Temperature dependent operating pressure PU-9: 0 ... 10 bar PU-13: -0.95 ... +10 bar

Operating medium: Compressed air in accordance with ISO 8573-1:2010

[7:---]

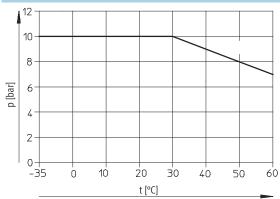
Material:

TPE-U(PU) with reinforcing fabric

Note on material: Free of copper and PTFE RoHS-conform



Operating pressure p as a function of temperature t



Possible fittings



Quick connectors CK

→ Internet: ck

D:													
Dimensions and ordering	ng data												
0.D.	I.D.	Flow-relevant bending	Weight	Colour	Part No.	Туре	PU ¹⁾						
		radius											
[mm]	[mm]	[mm]	[kg/m]				[m]						
Fibre-reinforced													
11.6	9	76	0.051	Black	12134	PU-9-SW	50						
17.6	13	83	0.140	Black	12133	PU-13-SW	50						

1) Packaging unit

Product Range and Company Overview

A Complete Suite of Automation Services

Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



Custom Automation Components Complete custom engineered solutions



Custom Control Cabinets Comprehensive engineering support and on-site services



Complete Systems Shipment, stocking and storage services

The Broadest Range of Automation Components

With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



Electromechanical Electromechanical actuators, motors, controllers & drives



Pneumatics Pneumatic linear and rotary actuators, valves, and air supply



PLCs and I/O Devices PLC's, operator interfaces, sensors and I/O devices

Supporting Advanced Automation... As No One Else Can!

Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 12,000 employees in 56 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

Quality Assurance, ISO 9001 and ISO 14001 Certifications

Festo Corporation is committed to supply all Festo products and services that will meet or exceed our customers' requirements in product quality, delivery, customer service and satisfaction.

To meet this commitment, we strive to ensure a consistent, integrated, and systematic approach to management that will meet or exceed the requirements of the ISO 9001 standard for Quality Management and the ISO 14001 standard for Environmental Management.



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