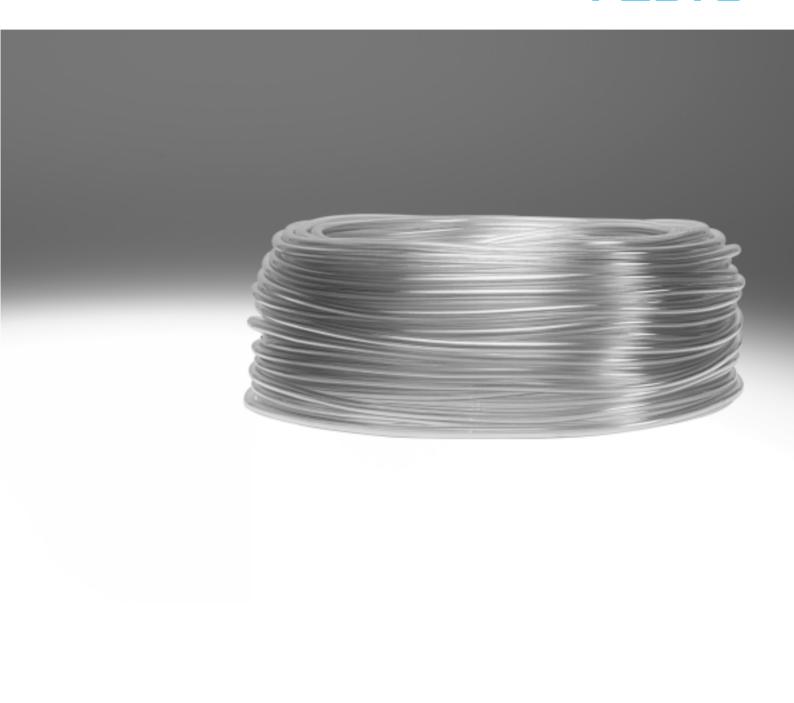
### Plastic tubing, standard I.D.

# **FESTO**



## **Plastic tubing, standard I.D.** Product range overview and type codes



Product range	overview										
Version	Туре	I,D,	Colour		Operating medium			Resistance		→ Page/	
		[mm]	Blue	Black	Natural	Compressed air	Vacuum	Water (not drinking water)	Hydrolysis	Shore hardness	Internet
	PU	9		•	-	•	-		+	A 93 ±3	3
	TPE-U(PU) <sup>1)</sup>	13.1	_						т		
	PCN	4								A 76 ±3	4
	PVC		_	_	_	-	_	_			
	P	6, 9		_						A 68 ±5	5
	NBR		-		_						
	P	13, 19			_	_	_	_		A 71 ±5	5
	EPDM, SBR		_	-							

- 1) Fibre-reinforced
- Limited suitability (on request)
- Not suitable

#### Type codes PCN NT Material PU TPE-U(PU) PCN PVC NBR (I.D. 6/9 mm) EPDM, SBR (I.D. 13/19 mm) I.D. [mm] Colour SW Black BL Blue NT Natural

#### Method of measurement

Flow-relevant bending radius Rd



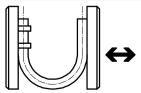
The tube is bent in the direction of its own curve until the tubing outer diameter is flattened by 5%. Rd is then calculated mathematically. The flow rate is not reduced until Rd is reached.



Cross section flattened by bending the tube.

d = non-deformed tubing O.D. d1 = deformed tubing O.D.

Minimum bending radius Rmin



The tube fixed to the base plate is bent until the deformation results in a kink. The measured value is the minimum bending radius Rmin. This Rmin results in significant reductions in flow rate.

Plastic tubing PU Technical data **FESTO** 

#### Plastic tubing PU

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



Operating and environmental conditions							
Туре	PU-9	PU-13					
Operating pressure for entire [bar] temperature range	0 +10	-0.95 +10					
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]						
Note on operating/pilot medium	Lubricated operation possible						
Ambient temperature [°C]	-35 +60						

#### Possible fittings



Quick connector CK

→ Internet: ck

Materials	
Shore hardness	A 93 ±3
Tube	TPE-U(PU)
Note on materials	RoHS-compliant
	Free of copper and PTFE

Dimensions and orderin	g data						
O.D.	I.D.	Flow-relevant bending radius	Weight	Colour	Part No.	Туре	PU <sup>1)</sup>
[mm]	[mm]	[mm]	[kg/m]				[m]
11.6	9	76	0.056	Black	12134	PU-9-SW	50
18	13.1	83	0.133	Black	12133	PU-13-SW	50

<sup>1)</sup> Packaging unit

Plastic tubing PCN Technical data

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#### Plastic tubing PCN

For draining condensate in service units series D and MS



Operating and environmental conditions						
Operating pressure for entire	[bar]	-0.5 +0.25				
temperature range						
Ambient temperature	[°C]	-10 +60				

Materials	
Shore hardness	A 76 ±3
Tube	PVC
Note on materials	RoHS-compliant

Dimensions and ordering data						
O.D.	I.D.	Weight	Colour	Part No.	Туре	PU <sup>1)</sup>
[mm]	[mm]	[kg/m]				[m]
6.5	4	0.025	Natural	7134	PCN-4-NT	50

<sup>1)</sup> Packaging unit

Rubber tubing P
Technical data

**FESTO** 

#### Rubber tubing P, with fibre reinforcement

Highly flexible tubing with fibre reinforcement for barbed hose fitting N-...-P and hose clip SK



Operating and environmental conditions					
Operating pressure for entire	[bar]	-0.95 +16			
temperature range					
Operating medium		Compressed air to ISO 8573-1:2010 [7:-:-]			
Ambient temperature	[°C]	-20 +80			

Materials					
Туре	P-6	P-9	P-13	P-19	
Shore hardness	A 68 ±5	A 68 ±5			
Tube	NBR		EPDM, SBR		
Note on materials	RoHS-compliant		<u> </u>		
	Free of copper and	PTFE			

Dimensions a	and ordering data							
O.D.	I.D.	Min. bending radius	Flow-relevant bending radius	Weight	Colour	Part No.	Туре	PU <sup>1)</sup>
[mm]	[mm]	[mm]	[mm]	[kg/m]				[m]
13	6	20	45	0.144	Blue	2231	P-6-BL	40
16	9	30	60	0.186	Blue	2232	P-9-BL	40
23	13	50	100	0.40	Black	2234	P-13-SW	40
	19	60	200	0.649	Black	2235	P-19-SW	40

<sup>1)</sup> Packaging unit