

Plastic tubing, inch PEN

FESTO



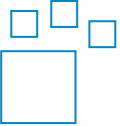
Characteristics

At a glance

Very flexible with high abrasion resistance as well as an attractive price for a wide range of applications.

- Polyethylene
- High resistance to chemicals and very high resistance to hydrolysis
- Resistant to most cleaning agents and lubricants
- Suitable for energy chains
- Operating medium: compressed air, vacuum, water

Ordering data - modular system



Configurable product

This product and all its product options can be ordered online via the configurator.

Tubing outside diameter

For standard O.D. tubing, the outside diameter of the tube and the wall thickness are given as the tube size.

Type code

001	Series
PEN	Plastic tubing

002	Tubing outside diameter
3/16	3/16"
1/4	1/4"
5/16	5/16"
3/8	3/8"
1/2	1/2"
5/8	5/8"

003	Colour
BL	Blue
SW	Black

004	Packaging unit [ft]
150	150 ft

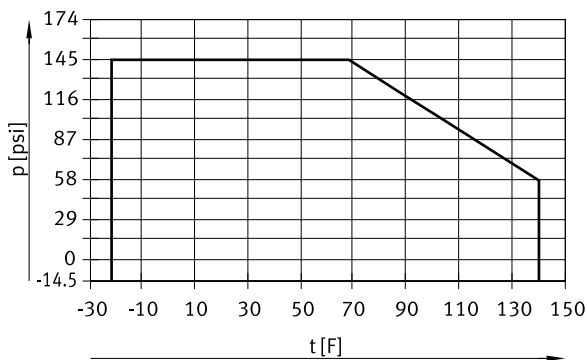
005	Packaging
CB	Cardboard box

Datasheet

Operating and environmental conditions

Pneumatic connection	For push-in connector outside diameter of 3/16"	For push-in connector O.D. 1/4"	For push-in connector outside diameter of 5/16"	For push-in connector O.D. 3/8"	For push-in connector O.D. 1/2"	For push-in connector outside diameter of 5/8"
Outside diameter inch	3/16	1/4	5/16	3/8	1/2	5/8
Flow-relevant bending radius	0.075 Feet	0.085 Feet	0.114 Feet	0.131 Feet	0.196 Feet	0.41 Feet
Min. bending radius	0.039 Feet	0.041 Feet	0.073 Feet	0.088 Feet	0.108 Feet	0.196 Feet
Operating pressure complete temperature range	-0.095 ... 0.4 MPa					
Operating pressure complete temperature range	-0.95 ... 4 bar					
Operating pressure complete temperature range	-13.775 ... 58 psi					
Temperature-dependent oper- ating pressure	-0.095 ... 1 MPa					
Temperature-dependent oper- ating pressure	-0.95 ... 10 bar					
Temperature-dependent oper- ating pressure	-13.775 ... 145 psi					
Note on operating pressure	Water: max. 0.6 MPa at 0 - 50°C					
Operating medium	Compressed air to ISO 8573-1:2010 [7:::] Water (liquid, ice-free)					
Ambient temperature	-22 ... 140°F					
Tubing characteristics	Suitable for energy chains					


Operating pressure p as a function of temperature t

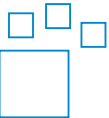


Materials

Shore hardness	D 52 +/-3
Material tubing	PE
Note on materials	RoHS-compliant
LABS (PWS) conformity	VDMA24364-B2-L
Cleanroom class	Element installed statically, no meaningful evaluation possible according to ISO 14644-1

Ordering data

Ordering data						
	Pneumatic connection	Packaging unit [ft]	Product weight according to length	Colour	Part no.	Type
	For push-in connector outside diameter of 3/16"	150 ft	0.1 oz/ft	Black	569882	PEN-3/16-SW-150-CB
	For push-in connector O.D. 1/4"		0.186 oz/ft	Blue	569891	PEN-1/4-BL-150-CB
	For push-in connector outside diameter of 5/16"	150 ft	0.25 oz/ft	Black	569883	PEN-1/4-SW-150-CB
				Blue	569892	PEN-5/16-BL-150-CB
	For push-in connector O.D 3/8"	150 ft	0.376 oz/ft	Black	569884	PEN-5/16-SW-150-CB
				Blue	569893	PEN-3/8-BL-150-CB
	For push-in connector O.D 1/2"	150 ft	0.848 oz/ft	Black	569885	PEN-3/8-SW-150-CB
				Blue	569894	PEN-1/2-BL-150-CB
	For push-in connector outside diameter of 5/8"	150 ft	1.158 oz/ft	Black	569886	PEN-1/2-SW-150-CB
				Blue	569895	PEN-5/8-BL-150-CB

Ordering data – Modular product system			
	Short type code	Part no.	Type
	PEN	567448	PEN.-U