Overview plastic tubing, standard O.D. (inch) and additional information





Product range overview

Version	Туре	0.D.	Colour								Operating medium			
		[inch]	Silver	Blue	Black	Yellow	Green	Red	Brown	White	Natural	Compressed air	Vacuum	Water
	PEN Polyethylene	(5/32) ¹⁾ , 3/16, 1/4, 5/16, 3/8, 1/2, 5/8	(■)1)	•		(■)1)	(■)1)	(■)1)	(■)1)	(■)1)	(■)1)	•	•	•
	PLN Polyethylene	(5/32) ¹⁾ , 3/16, 1/4, 5/16, 3/8, (1/2) ¹⁾ , 5/8	(■) ¹⁾			(■) ¹⁾	(■) ¹⁾	(■) ¹⁾	(■) ¹⁾	(■) ¹⁾	•			-
	PUN-H Polyurethane	1/8, 5/32, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8				•								-

1) Please note the information below.

- 🌡 - Note

Product options in brackets can only be ordered using the modular product system.

Please note the minimum order quantity of 10000 ft.

There is a modular product system for plastic tubing:

• PEN

• PLN

• PUN

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Туре			ele c-		a	Resistance			(€s		
	Food-safe	Halogen-free	Contact with el trical cables	PWIS-free to FN 942 010	Suitable for use with energy chains	Chemicals	Microbes	UV radiation	Hydrolysis	Flexible	Shore hardness ³⁾
PEN	-	•	•	•	+++	++	++	++ ²⁾	+++	++	D 52 ±3
PLN					-	++	++	++ ²⁾	+++	+	D 52 ±3
PUN-H			•		++	+	++	++ ²⁾	++	+++	D 52 ±3

+++ Extremely suitable ++ Very suitable + Limited suitability (on request)- Not suitable

2) Applies to the colour black

3) Values are determined using test panels. Values determined using tubing may vary.

Measurement method

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Flow-relevant bending radius Rd



Minimum bending radius Rmin

The tube is bent in the direction of its own curve until the tubing outside 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.

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 the flow rate.