

FOOD/PHARMA

NORFLEX PUR 401 FOOD special wall

Lightweight food-grade PUR hose with thin 1.5 mm wall, FDA-approved



NORFLEX PUR 401 FOOD special wall is a lightweight, highly flexible food-grade polyurethane hose with a specially thin wall of 1.5 mm. The hose is FDA-approved as food-grade polyurethane and qualified for transport of dry and liquid foods. The thin-wall construction makes the hose 30-40% lighter and significantly more flexible than standard NORFLEX PUR variants, which is particularly valuable in compact food and pharma installations. 3 dimensions (ID 5, 6, 8 mm) with pressure rating 8-12 bar depending on dimension. Typically used in pharma, compact food process installations and pneumatic transport where light weight and flexibility are critical.

Media: Gas, Liquid

Temp: -40 °C to 90 °C

✓ Cut to length

APPLICATIONS

- Compact food process installations (5-8 mm dimensions)
- Pharma bulk raw material handling with thin-wall flexibility
- Pneumatic transport of dry foodstuffs
- CIP-cleanable food process pipes
- Lightweight installations where weight saving is critical
- Tobacco aromatic transport (odour-neutral PUR)

Technical specifications

Material	Food-grade PUR (polyether-based polyurethane)
Colour	transparent
Wall construction	Thin 1.5 mm PUR wall, smooth inner, microbe-resistant outer coating
Spiral material	(ingen spiral - thin-wall konstruktion)
Conveying media	Gas, Liquid
Temperature range	-40 °C – 90 °C
Short-term peak	125 °C
Cut to length	Yes
Manufacturer SKU	4012182

Standards and compliance

fda, REACH, RoHS

Dimensions and ordering

The hose is supplied in 3 standard sizes from inner Ø 5.0 mm to 8.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
5	8	1.5	12	33	1000	0.04	100	40190502182
6	9	1.5	10	37	100	0.04	100	40190602182
8	11	1.5	8	46	100	0.05	100	40190802182

Fields without a value (—) are not specified in the manufacturer's factsheet. Overpressure and underpressure values are recommended operating limits; the product can be subjected to higher loads on request. Bend radius is measured along the inside of the hose bend.

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