

## Polyurethane hose (PUR) food contact

acc. to EU10/2011 (FDA)



**Art. No.** 146542

**Type No.** PURN4X1-25FDA



Exemplary illustration

Thanks to its high abrasion resistance, flexibility and temperature resistance, the polyurethane hose is particularly suitable for use in food technology, food machine construction and the production of pharmaceuticals.

It is ideal for use in conjunction with our "NonPlusUltra" series stainless steel push-in fittings.

### Technical data

Temperature range	-40 to 85 °C
Material	Polyurethane (PUR)
Shore hardness	98A
Reel length	25 m
Colour	natural
Applications	Food, pharma
Tube O.D.	4 mm
Tube I.D.	2 mm
Wall thickness	1 mm
Max. operating pressure at 23 °C	15 bar

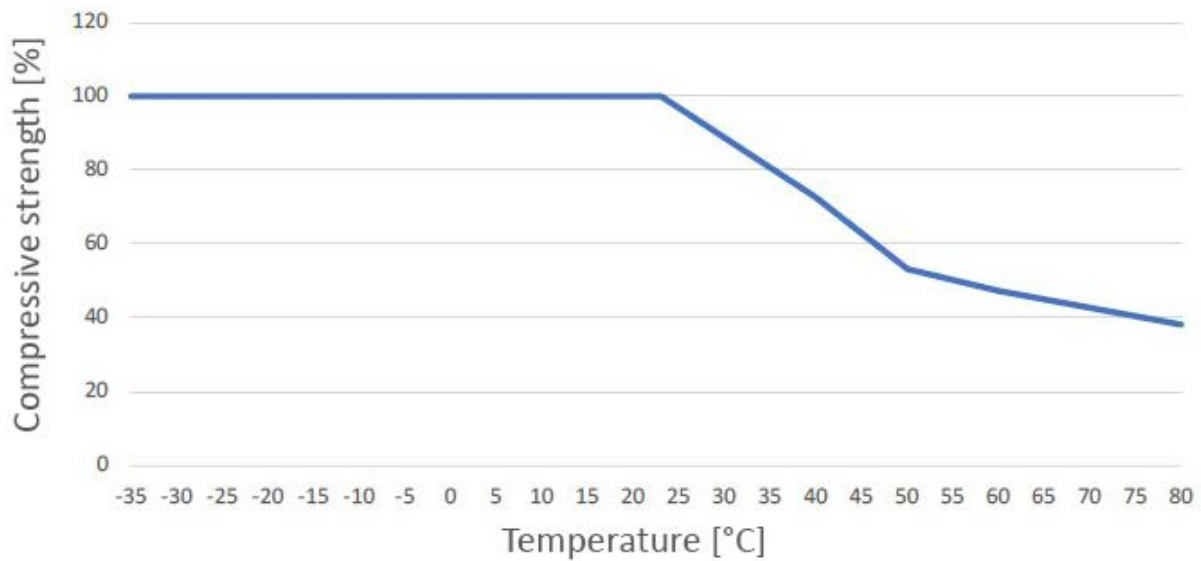
Material Polyurethane (PUR) = Polyether-Polyurethane.

Other roll lengths on request.

### Commercial data

Customs tariff number	39173200
Country of origin	DE
eCl@ss 5.1.4	27294101
eCl@ss 9.0	27294190
UNSPSC_Code_v190501	40142002
UNSPSC_CodeDesc_v190501	Air hoses

## Pressure diagram



The degree of utilisation of the permissible compressive strength (%) as a function of the temperature (°C).  
These specifications are valid for the operating medium air.

All information is based on tests under optimal laboratory conditions and was carried out in accordance with test specifications.  
Any suitability of our products for a particular purpose requires specific testing by the user.  
The data is therefore subject to reservation and is not legally binding.

## Dimensions

Tube O.D.	Tube I.D.	Wall thickness	Max. operating pressure at 23 °C	Min. bending radius	Tolerance I.D. and O.D.
mm	mm	mm	bar	mm	mm
4	2	1	15	20	+/-0.1

All information refers to a medium and ambient temperature of 23 °C.  
The minimum bending radius corresponds to the smallest bending radius in relation to the inside of the hose bend.  
The operating pressure is specified with a 3-fold safety factor and applies to air as the operating medium.

## Product information

### Applications

- Agricultural technology
- Food technology
- Pneumatic systems
- Pharmaceutical production
- Robotics
- Energy management
- Feeding technology
- Air control

### Areas of application

- Agriculture
- Food industry
- Robotics and automation
- Chemistry
- Mechanical engineering
- Transport

### Product details

#### Wall specifications

- Complies with the requirements of the German Food and Feed Code (LFGB).
- Approved for direct food contact according to EU Directive 1935/2004, 10/2011 and their latest amending directives.
- Material complies with food law regulation FDA 21 CFR § 177.2600.
- Approved for food simulation: A, B, C, D1, D2, E (contact times, temperature and suitability according to declaration of conformity).
- Manufacturing process according to GMP EC 2023/2006.

### Characteristics

- Abrasion-resistant and elasticated
- Temperature resistant
- Push-in and push-out connectors suitable
- Good UV resistance
- Hydrolysis resistant
- Microbe resistant
- Plasticiser-free
- Kink-resistant
- Flexible in the cold

### Customisation options

Multiple hose, spiralised version, shaped hose, cut-offs, special sizes, other roll lengths, other nominal widths and with customer-specific printing on request.

## Accessories

	Art. No.	Type No.
Hose cutter	179288	SAS420
Hose cutter	113588	259.550
Hose cutter, for max. hose exterior Ø 17 mm	113584	259.555
Hose cutter, for max. hose exterior Ø 26 mm	113585	259.559