

Polyurethane hose (PUR) food contact

acc. to EU10/2011 (FDA)



Art. No. 146551

Type No. PURN12X2-25FDA



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. | 12 mm |
| Tube I.D. | 8 mm |
| Wall thickness | 2 mm |
| Max. operating pressure at 23 °C | 9 bar |

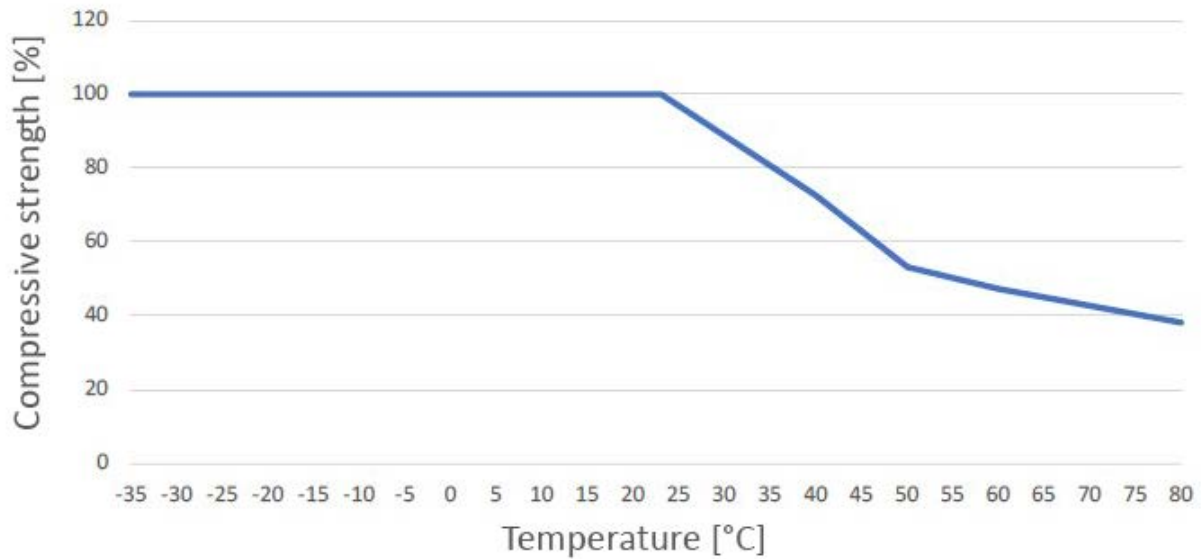
Material Polyurethane (PUR) = Polyether-Polyurethane.

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 |
| 12 | 8 | 2 | 9 | 60 | +/-0.15 |

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 |