

Hoses



Hoses

Hose for syringe barrel adapter



| Article number | diameter | colour | material |
|----------------|--------------------------|-------------|----------|
| BG3000789 | i - Ø 2.5 mm, o - Ø 4 mm | transparent | PU |
| BG3000791 | i - Ø 4 mm, o - Ø 6 mm | transparent | PU |

Pneumatic hose



| Article number | diameter | colour | material |
|----------------|--------------------------|------------------|----------|
| BG100069 | i - Ø 2.5 mm, o - Ø 4 mm | blue transparent | PU |
| BG100068 | i - Ø 4 mm, o - Ø 6 mm | blue transparent | PU |
| BG100071 | i - Ø 5.5 mm, o - Ø 8 mm | blue transparent | PU |

Material hose for precision peristaltic pump

| Article number | diameter | colour | material |
|----------------|----------------------------|-------------|----------|
| BG3000200 | i - Ø 0.2 mm, o - Ø 0.4 mm | transparent | PTFE |
| BG3000201 | i - Ø 0.5 mm, o - Ø 1.0 mm | transparent | PTFE |
| BG3000202 | i - Ø 1.0 mm, o - Ø 1.6 mm | transparent | PTFE |
| BG3000203 | i - Ø 2.0 mm, o - Ø 2.6 mm | transparent | PTFE |
| BG3000204 | i - Ø 2.4 mm, o - Ø 3.0 mm | transparent | PTFE |
| BG3000205 | i - Ø 3.8 mm, o - Ø 4.6 mm | transparent | PTFE |
| BG3000206 | i - Ø 0.2 mm, o - Ø 0.4 mm | black, ESD | PTFE |
| BG3000207 | i - Ø 0.5 mm, o - Ø 0.7 mm | black, ESD | PTFE |
| BG3000208 | i - Ø 1.0 mm, o - Ø 1.6 mm | black, ESD | PTFE |
| BG3000209 | i - Ø 2.0 mm, o - Ø 2.6 mm | black, ESD | PTFE |
| BG3000210 | i - Ø 2.4 mm, o - Ø 3.0 mm | black, ESD | PTFE |

Material hose for medium supply



| Article number | diameter | colour | material |
|----------------|--------------------------|-------------|----------|
| BG100125 | i - Ø 3 mm, o - Ø 4 mm | transparent | PFA |
| BG100136 | i - Ø 3 mm, o - Ø 4 mm | black | PFA |
| BG3000852 | i - Ø 4 mm, o - Ø 6 mm | transparent | PTFE |
| BG100091 | i - Ø 6 mm, o - Ø 8 mm | transparent | PTFE |
| BG3000510 | i - Ø 8 mm, o - Ø 10 mm | transparent | PTFE |
| BG3000511 | i - Ø 10 mm, o - Ø 12 mm | transparent | PTFE |

Tube clamp

Tube clamp



| Article number | described |
|-----------------------|------------------------------------|
| BG3000792 | Tube clamp for tube Ø 5.2 - 6.2 mm |
| BG3000790 | Tube clamp for tube Ø 4.7 - 5.7 mm |
| BG3000838 | Tube clamp for tube Ø 3.7 - 4.7 mm |

Material hose PTFE / PFA

| | |
|------------------------------------|--|
| ...for precision peristaltic pump: | BG3000200 – BG3000210 |
| ...for medium supply: | BG100125, BG100136, BG3000852, BG100091, BG3000510, BG3000511 |

Application examples

- Connecting material storage and dosing system.
- Operation of precision peristaltic pump.
- Conveying of physically or chemically unstable media.

Features

- Hydrophobic, high diffusion resistance
- Very good temperature behaviour
- Low mechanical recovery properties
- Low friction loss
- Good insulator, ESD conductive variants available
- Chemically stable against most chemicals, UV-resistant
- FDA compliant

Typical characteristics

- Appearance: white / translucent / clear or black
- Fluoropolymers are physiologically inert and are considered non-toxic within the above limits.

| Features | value | |
|---|----------------------------|------------|
| Guy. Process pressure for peristaltic pump application. | [bar] | <4 bar |
| Guy. Process pressure for medium supply application. | [bar] | <7 bar |
| Reaction to fire | UL | 94V-O |
| Water absorption | [%] | <0.1 |
| Operating temperature (unpressurized) | [°C] | -200 - 200 |
| Short-term max. temperature (unpressurized) | [°C] | 260 |
| Rigor | [Shore D] | ~55 |
| Shelf life analysis in laboratory setup: D3PPSD-04 High-precision peristaltic pump with test medium water | [h] at maximum speed | >24 |

Directions for use

- Before series production, an analysis of the required cross-section is recommended.
- It is recommended to carry out preliminary tests in case applications with special properties are dependent. In this way, the process can be designed in advance.
- For applications with a higher pressure range it is advisable to ask for a feasibility assessment.

The information provided corresponds to the current state of the art, subject to change without notice. The information does not imply any guarantee of properties for the individual case and does not release the consumer from the obligation to carry out his own tests. Further data on request.