H.SIGRIST & PARTNER AG

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Hoses

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Hoses

Hose for syringe barrel adapter

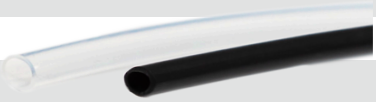
Article number	diameter	colour	material
BG3000789	i - Ø 2.5 mm, o - Ø 4 mm	transparent	PU
BG3000791	i - Ø 4 mm, o - Ø 6 mm	transparent	PU

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

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
BG3000864	tube clamp for tube Ø 5.9 - 7.0 mm
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

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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 perestaltic pump with test medium water	[h] at maximum speed	>24

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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.

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