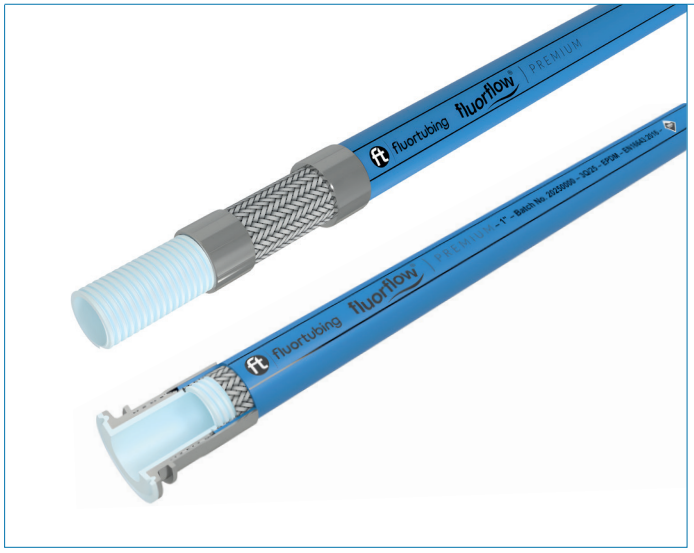
fluorflow® | PREMIUM

fluortubing



Technical Details

Temperature Limitations: -40°C to +150°C / -40°F to 302°F

Vacuum Limitations: Fluorflow Premium is usable at vacuum up to -0.9 bar (26.5 inHg) at 150°C (302°F).

Tube options: Natural/Transparant or Antistatic

Maximum lengths: 46 meter / 150 feet

USP <665> | USP Class VI | EN 16643 | ATEX Conformity | FDA 21 CFR 117.1550 | FDA 21 CFR 178.3297 | EC 1935/2004 | EU 10/2011 | EU 2017/1000 | EU 2019/1021 | 3-A Sanitary Standard | TSE/BSE | GMP 2023/2006 | Teflon™

Comes with a 3.1 Certificate compliant to EN10204

Product Description

High-performance (+2.500.000 rolling U cycles), **fibril-free** PTFE-lined hose developed for biotech, fine chemical and pharmaceutical fluid transfer applications. Engineered as a high-purity alternative to conventional PTFE and reinforced silicone hoses used in pharmaceutical, fine chemical and food processing environments.

The flexible smooth bore design supports efficient flow and easy cleaning, while preserving structural integrity during repeated autoclave cycles without discoloration or material degradation.

Qualified to meet stringent industry standards, including USP Class VI and the latest USP <665> requirements. Supplied with a wide range of industry-standard lined and non-lined end fittings, full batch traceability and 3.1 material certification.

Materials

Tube: Fluorflow Premium is engineered with an externally convoluted, internally smooth PTFE liner manufactured from TEFLON™ fluoropolymer resin. The material offers outstanding resistance to high temperatures, mechanical stress, oxidation and permeation, ensuring long-term performance in demanding pharmaceutical environments.
The PTFE liner is manufactured from resin tested in compliance with Regulation (EC) No. 1907/2006 (REACH).
Reinforcement: High Tensile 316 Stainless Steel
Cover: Blue EPDM
Marking: Laser etched (in accordance with EN 16643)

Material Compliance: FDA 21 CFR 177.1550 I FDA 21 CFR 178.3297 I EC 1935/2004 I EU 10/2011 I EU 2017/1000 I EU 2019/1021 I 3-A Sanitary Standard USP Class VI

Nominal Hose Bore		Outside diameter of cover		Minimum Bend radius		Maximum Working Pressure		Minimum Burst Pressure		Weight per unit length	
inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	lb/ft	kg/mt
1/4	6.4	0.45	11.6	3/4	19	1160	80	4641	320	0.10	0.16
5/16	8	0.51	13.1	3/4	19	1160	80	4641	320	0.12	0.19
3/8	9.5	0.62	15.8	1	25	1160	80	7200	500	0.14	0.22
1/2	12.7	0.77	19.7	1 1/2	38	1015	70	5800	400	0.25	0.37
5/8	15.9	0.91	23.0	2	51	940	65	5500	380	0.35	0.52
3/4	19	1.10	28.0	2 1/2	63	870	60	4350	300	0.42	0.65
1	25.4	1.43	36.4	4	100	720	50	2900	200	0.57	0.88
1 1/4	31.75	1.70	43.4	5 1/2	140	650	45	2600	180	0.85	1.30
1.5	38	2.04	51.8	6 3/4	171	580	40	2320	160	1.14	1.70
2	50.8	2.64	67.2	8 1/4	210	430	30	1750	120	1.58	2.36
2.5	63.5	3.10	78.7	12	304	290	20	1160	80	2.41	3.49