



APPLICATION

- Multipurpose hose, specifically designed to convey pharmaceutical, cosmetic and chemical substances.
- Especially suitable for application in pharmaceutical environments and production processes requiring the use of non-contaminating, inert materials.

CONSTRUCTION

TUBE

- PFA (Perfluoroalkoxy Polymer), white colour, fully fluorinated, mirror-smooth. Odourless and tasteless.
- Compliance: USP Class VI, 3A, FDA Standards, D.M. 21/03/73 and following amendments, Regulation EU n. 10/2011, ISO 10993-4, -10, -11, non-cytotoxic according to ISO 10993-Part 5.

REINFORCEMENT

- High strength plies of synthetic cord and embedded steel helix wire.
- Two copper wires are embedded.

COVER

- Marble finish (UPE), black and white, patented, smooth, resistant to abrasion, ozone and ageing.
- Antistatic: Electrical resistance $R < 10^6 \Omega$.
- The special marble finish with a low coefficient of friction complies with FDA Standards, odourless and tasteless. The cover does not stain the contact surfaces.

PATENTS

- E.P. 1450092.
- E.P. 1580475.
- U.S. Patent 7,389,799.

SAFETY FACTOR

- ≥ 4 times working pressure.

MAIN BENEFITS

- The fluorinated tube ensures an excellent impermeability and contamination-free transport of the fluid.
- Also, it provides excellent resistance to repeated bending cycles according to ASTM D 2176.
- Marble finish cover, smooth and easy to clean. Resistant to mild chemicals and aggressive acids for short time.
- Hose in accordance with EC 1935/2004 and 2023/2006/EC (GMP). Our production cycle is free from animal derived ingredients, phthalates, adipates and materials subject to restrictions acc. to EC 1907/2006 (REACH).
- Non-plasticized inner tube.

TEMPERATURE RANGE

- From -40°C to $+130^{\circ}\text{C}$ depending on the fluids conveyed and the application. In case of dynamic application: from $+10^{\circ}\text{C}$ to $+40^{\circ}\text{C}$.

STERILIZATION

- Sterilization up to $+150^{\circ}\text{C}$ for max. 30 minutes.

NOTE

- Execution acc. to EN 12115:2011, upon request.
- Please check recommendations and instructions mentioned in "use and maintenance guideline for PFA/MFA hoses".

MARKING

- If required, execution according to EN 12115:2011, embossed tape according to EN 12115: 2011, lengthwise, with identification symbol:
 - Ω for version WITHOUT embedded copper wires;
 - M for version WITH embedded copper wires.

TECHNICAL SPECIFICATIONS

SIZE TOLERANCES: I.D.: ISO 1307 - Wall thickness: DIN 7715 T4 S2 - Length: ISO 1307

Inner Diameter mm	Outer diameter mm	Wall thickness mm	Working pressure BAR	Burst pressure BAR	Vacuum BAR	Min. bending radius(Static) mm	Min. bending radius(Dynamic) mm	Approx. weight Kg/m	Max. length m
13	25	6.0	10	40	-0.9	45	60	0.55	20
19	31	6.0	10	40	-0.9	65	90	0.72	30
25	37	6.0	10	40	-0.9	85	140	0.89	30
32	45	6.5	10	40	-0.9	120	200	1.16	30
38	51	6.5	10	40	-0.9	140	250	1.47	30
51	65.5	7.25	10	40	-0.9	180	300	2.08	30
63.5	79.5	8.0	10	40	-0.9	250	380	2.80	20
76	92	8.0	10	40	-0.9	350	500	3.48	20
100	117	8.5	10	40	-0.9	700	700	4.77	20

Other sizes and colours are available upon request. Please contact our Sales Department.

Neel Industrial Solutions Pvt.Ltd



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