



MANIFATTURA TUBI GOMMA S.p.A.

Grisignano di Zocco, 36040 (VI) ITALY
T. +39 0444.614755 | info@mtgspa.com
www.mtgspa.com



APPLICATION

- Multipurpose hose specifically designed for conveying pharmaceutical, cosmetic, chemical and food products in pharma-cosmetic, biotech and food industries.
- Excellent solution for use under dynamic stress during transport of high purity fluids.
- Especially suitable for use on dosing equipments.
- Suction and delivery hose.

CONSTRUCTION

TUBE

- PFA (Perfluoralkoxy), light colour, fully fluorinated, mirror-smooth.
- Compliance: USP Class VI, 3-A Sanitary Standard n.20-27, 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.
- Good resistance to temperature, to cracking under mechanical stress and bending.

REINFORCEMENT

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

COVER

- EPDM rubber, blue colour, smooth, abrasion, ozone and weather resistant, cloth finish.

PATENTS

- E.P. 1450092.

MAIN BENEFITS

- The fluorinated inner liner, essentially inert, ensures excellent impermeability and contamination-free transport of the fluid conveyed.
- It provides good resistance to extreme temperatures and good resistance to mechanical stress.
- Hose in accordance with EC 1935/2004 and 2023/2006/EC (GMP).
- The MTG production cycle is free from animal derived ingredients, phthalates, adipates, nitrosamines, and materials subject to restrictions acc. to EC 1907/2006 (REACH).
- Non-plasticized inner tube.

SAFETY FACTOR

- ≥ 4 times working pressure.

TEMPERATURE RANGE

- From -40°C to +150°C depending on the fluids conveyed.
- The a.m. temperature range has to be considered as a general indication referring to most chemicals; however it does not include the most aggressive combinations of products and the conditions of use. For specific applications please contact our Technical Department.

NOTE

- We suggest you to follow the instructions mentioned in the MTG "Use and maintenance guide for PFA/MFA hoses".

MARKING



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

Chemical resistance acc. to MTG Chemical Resistance Chart. Above technical data refer to application at room temperature (+20°C). Other sizes and colours are available upon request. Please contact our Sales Dept.



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