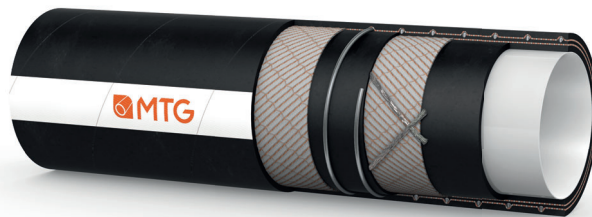


MANIFATTURA TUBI GOMMA S.p.A.

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APPLICATION

- Multipurpose suction and delivery hose for handling solvents and chemicals with high concentration.

CONSTRUCTION

TUBE

- PFA (Perfluoroalkoxy), white colour, fully fluorinated, mirror-smooth.
- Compliance: USP Class VI, 3-A Sanitary Standards 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.

REINFORCEMENT

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

COVER

- EPDM rubber (code 104N), black colour, smooth, resistant to abrasion, ozone and weather, cloth finish.
- Antistatic in acc. with EN 12115:2021. Electric resistance $R < 10^6 \Omega$.

STANDARDS

- Execution in accordance with regulation EN 12115:2021.

ELECTRICAL PROPERTIES

- Identification symbol: M.
- Model without copper wires available upon request; identification symbol: Ω .

NOTE

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

CERTIFICATIONS

- Hose approved by the Institute Ineris for use in Atex areas, attestation nr. IDE-229936-2803516-v2.0.

MAIN BENEFITS

- The fluorinated inner liner ensures an excellent impermeability and resistance to oxidation, temperature and mechanical stress, thus avoiding cracks.
- Hose in accordance with EC 1935/2004 and 2023/2006/EC (GMP). The MTG production cycle is free from animal derived ingredients, phthalates, adipates and materials subject to restrictions acc. to EC 1907/2006 (REACH).

TEMPERATURE RANGE

- In accordance with EN 12115:2021.

STERILIZATION

- Steam disinfection, in an open circuit, up to +130°C for max. 30 minutes.

SAFETY FACTOR

- ≥ 4 times working pressure up to ID 75 mm.
- ≥ 3 times working pressure over ID 75 mm.

PATENTS

- E.P. 1450092.

MARKING

- Embossed tape according to EN 12115:2021, lengthwise.

MANIFLON PFA E.PATENT 1450092

MTG EN 12115:2021 - SD - DN - 16bar - -20°C to +65°C - M - QUARTER/YEAR

TECHNICAL SPECIFICATIONS

SIZE TOLERANCES: I.D.: EN 12115 - O.D.: EN 12115 - Length: ISO 1307

| Inner Diameter mm | Outer diameter mm | Wall thickness mm | Working pressure BAR | Burst pressure BAR | Vacuum BAR | Min. bending radius mm | Approx. weight kg/m | Max. length m |
|-------------------|-------------------|-------------------|----------------------|--------------------|------------|------------------------|---------------------|---------------|
| 19 | 32 | 6.5 | 16 | 64 | -0.9 | 125 | 0.75 | 30 |
| 25 | 38 | 6.5 | 16 | 64 | -0.9 | 150 | 0.95 | 30 |
| 32 | 45 | 6.5 | 16 | 64 | -0.9 | 175 | 1.15 | 30 |
| 38 | 51 | 6.5 | 16 | 64 | -0.9 | 225 | 1.50 | 30 |
| 51 | 66 | 7.5 | 16 | 64 | -0.9 | 275 | 2.20 | 30 |
| 63.5 | 79.5 | 8.0 | 16 | 64 | -0.9 | 300 | 3.00 | 20 |
| 76 | 93 | 8.5 | 16 | 48 | -0.9 | 350 | 3.70 | 20 |
| 100 | 117 | 9.0 | 16 | 48 | -0.9 | 500 | 5.00 | 20 |

Above technical data are referring to application at room temperature (+20°C). Other sizes and colours are available upon request. Please contact our Sales Department. MTG reserves the rights to implement changes in product specifications without notice and as may be deemed appropriate by the Company for any technical or commercial reason. The selection of fittings for our hoses should be made in accordance with the recommendations provided in ISO 8331: "Rubber and plastics hoses and hose assemblies - Guidelines for selection, storage, use and maintenance."

