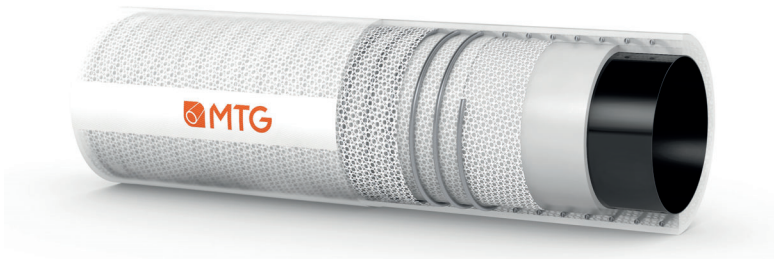



**MANIFATTURA TUBI GOMMA S.p.A.**

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## APPLICATION

- This hose has been designed for conveying pharmaceutical, food and cosmetic products. Suction and delivery hose.
- Excellent solution for conveying high purity fluids; it combines the benefits of a special antistatic PFA tube with the platinum-cured silicone structure.
- Produced with **MTGp™** technology (Manufacturing Tubing Green process).
- Hose suitable for the transport of non-abrasive powders.

## CONSTRUCTION

### TUBE

- PFA (Perfluoroalkoxy), fully fluorinated, black, antistatic ( $R < 10^6 \Omega$ ), mirror-smooth.
- Compliance: USP Class VI, 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 stainless steel helix wire.

### COVER

- Non-toxic platinum-cured silicone (code: silicone PT3362), translucent, glossy finish.
- It may be easily cleaned with any mild detergent.
- Compliance: USP Class VI, FDA Standards, BfR, and European Pharmacopoeia (E.P. 3.1.9), ISO 10993-4, -10, -11, non cytotoxic according to ISO 10993-Part 5.

## PATENTS

- E.P. 1450092.

## CERTIFICATIONS

- Hose approved by the Institute Ineris, attestation nr. INERIS-16-AM-342, for use in Atex areas.

## SAFETY FACTOR

- $\geq 3$  times working pressure.

## MAIN BENEFITS

- Antistatic tube.
- Made in Cleanroom ISO 14644-1 Class 8.
- No use of additives or chemicals potentially dangerous for environment and human health.
- 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 according to EC 1907/2006 (REACH).
- Non-plasticized hose.

## TEMPERATURE RANGE

- From  $-30^{\circ}\text{C}$  to  $+150^{\circ}\text{C}$ , depending on the fluids conveyed and the application.

## STERILIZATION

- Sterilization with steam up to  $+135^{\circ}\text{C}$ , in an open circuit, for max 30 minutes.
- For other cleaning, disinfection and sterilization processes with steam, please contact our Sales Department.

## FITTING

- It may be supplied with black conductive PFA-lined fittings (clamp, flange, camlock etc.).

## 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:  $\pm 0.8\text{mm}$  - 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	31	6.0	10	30	-0.9	120	0.68	30
25	37	6.0	10	30	-0.9	150	0.82	30
32	44	6.0	10	30	-0.9	200	1.04	30
38	52	7.0	10	30	-0.9	250	1.52	30
51	67	8.0	10	30	-0.9	300	1.96	30
63.5	79.5	8.0	5	15	-0.9	380	2.57	20
76	92	8.0	5	15	-0.9	460	3.66	20

 Above technical data refer to application at room temperature ( $+20^{\circ}\text{C}$ ). Other sizes are available upon request. Please contact our Sales Department.

**Cod. IT-M00135**

 UPDATED: 01/20  
 Rev: 006