

MANIFATTURA TUBI GOMMA S.p.A.

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**NEW
UPDATE**

APPLICATION

- Silicone hose for delivery of high purity products, foodstuff and fluids with alcohol content up to 96%.
- Normally used in food, pharmaceutical and cosmetic industries.

CONSTRUCTION

TUBE

- Silicone rubber, translucent (code PT3362), food and pharmaceutical quality, odourless and tasteless, smooth, glossy finish.

REINFORCEMENT

- High-strength plies of synthetic cord.

COVER

- Silicone rubber, translucent (code PT3362), food and pharmaceutical quality, odourless and tasteless. Smooth with glossy finish.
- It may easily be washed with any mild detergents.

STANDARDS

- US Pharmacopoeia Class VI, non-cytotoxic acc. to ISO 10993-Part 5.
- Compliance: European Pharmacopoeia 3.1.9, ISO 10993-4, -10, -11, 3-A Sanitary Standards n.18-03-Class I, FDA Standards, BfR, D.M. 21/03/73 and following amendments, arrêté du 25 novembre 1992 relatif aux matériaux et objets en élastomères de silicone.

SAFETY FACTOR

- ≥ 4 times working pressure.

NEW UPDATE

- Extruded inner tube up to diameter 25 (DN 38 also available on

MAIN BENEFITS

- Platinum-cured silicone hose with non-stick properties.
- From raw material to packaged product, **the hose is manufactured in a cleanroom class 8, certified In Operation** according to the ISO 14644-1 standard. **MTG guarantees full traceability of the production process.**
- Used in aseptic environments and sanitary applications: produced with the utmost care, from the choice of high-purity ingredients to production and storing procedures.
- 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 hose.
- On demand, Leachables & Extractables tests are available.

TEMPERATURE RANGE

- From -60°C to +200°C.

STERILIZATION

- Sterilization with steam up to +135°C, at 3.5 bar for max 90 minutes.
- Sterilization with hot air up to +200°C for max 30 minutes.
- Sterilizations repeated at intervals of less than 1 hour may seriously affect the mechanical features of the hose.

MARKING



MTG-CLEARWAY PLATINUM

MADE IN CLEANROOM
ISO 14644-1 CLASS 8



TECHNICAL SPECIFICATIONS

SIZE TOLERANCES: I.D.: ISO 1307 - Wall thickness: +1/-0.5mm - Length: ISO 1307

Inner Diameter mm	Outer diameter mm	Wall thickness mm	Working pressure* BAR	Burst pressure BAR	Min. bending radius mm	Vacuum BAR	Approx. weight kg/m	Max. length m
13	24	5.5	10	40	-	-	0.374	30
19	30	5.5	10	40	-	-	0.490	30
25	37	6.0	10	40	-	-	0.602	30
38	49	5.5	10	40	-	-	0.862	30
51	62	5.5	7	28	-	-	1.222	30

(*) At a temperature of +100°C the W.P. decreases by 20%.

Chemical resistance acc. to MTG Chemical Resistance Chart. Above technical data refer to application at room temperature (+20°C). Other sizes 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 8531: "Rubber and plastics hoses and hose assemblies - Guidelines for selection, storage, use and maintenance."



Cod. IT-M00130

UPDATED: 05/25
Rev: 007