

MANIFATTURA TUBI GOMMA S.p.A.

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APPLICATION

- Silicone hose for suction and delivery of foodstuff, cosmetic products and fluids with alcohol content up to 96%.
- Reinforced version suitable for process applications requiring a tight bending radius and a high vacuum resistance.
- Normally used in food and cosmetic industries.
- Hose suitable for working in explosive environments (ATEX).

CONSTRUCTION

TUBE

- PFA (Perfluoralkoxy), fully fluorinated, mirror-smooth, black colour, antistatic ($R < 10^6 \Omega$), patented.
- Complies with USP Class VI, FDA Cfr 21 item 177.1550, EU 10/2011, EC Regulation 1935/2004 and EC Regulation 2023/2006.

REINFORCEMENT

- High strength synthetic plies.
- Embedded stainless steel helix wire.

COVER

- Silicone rubber, gray (code 3362PTGR), antistatic ($R < 10^8 \Omega$), food quality, odourless and tasteless, smooth with glossy finish.
- It may easily be cleaned with any mild detergent.
- Compliance: EC Regulation 1935/2004 and 2023/2006, DM 21/03/1973; Arrete de 25/11/1992; Bfr XV section III e XXI, FDA cfr 21 parts 170 to 199 item 177.2600, EU 10/2011.

STANDARDS

- Hose approved by the Ineris Institute for use in ATEX zones: certificate no. INERIS-IDE 208760-2739065

MAIN BENEFITS

- Hose suitable for use in ATEX zones 0, 1, 2 and 20, 21, 22.
- Platinum-cured silicone hose.
- Hose free from any potentially dangerous additives or chemical components.
- 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.
- 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).

TEMPERATURE RANGE

- From -60°C to +150°C, depending on the liquids conveyed.

SAFETY FACTOR

- ≥ 3 times working pressure.

ELECTRICAL PROPERTIES

- Electrical resistance through wall: $R < 10^9 \Omega$.

MARKING

- On demand.

TECHNICAL SPECIFICATIONS

SIZE TOLERANCES: I.D.: ISO 1307 - Wall thickness: ± 0.8 mm - 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	23	5.0	10	30	-0.9	45	60	0.38	20
16	28	6.0	10	30	-0.9	55	75	0.51	20
19	31	6.0	10	30	-0.9	65	90	0.57	30
25	37	6.0	10	30	-0.9	85	140	0.80	30
32	44	6.0	10	30	-0.9	120	200	1.00	30
38	51	6.5	10	30	-0.9	140	250	1.35	30
51	67	8.0	10	30	-0.9	180	300	1.86	30
63.5	79.5	8.0	8	24	-0.9	320	380	2.69	20
76	92	8.0	6	18	-0.9	380	460	3.18	20

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.
Chemical resistance acc. to MTG Chemical Resistance Chart. Above technical data refer to application at room temperature (+20°C).
Other sizes are available on demand. Please contact our Sales Department.



Cod. IT-C00405

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