MTG Puralife™

PHARMACEUTICAL INDUSTRY

EN ISO 9001:2015
No. : Q-3353-24
EN ISO 45001:2018
No. : 20152240011742
EN ISO 14001:2015
No. : 20051240011741

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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 ($R<10^6$ Ω), 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), traslucent, 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 for use in Atex areas.

SAFETY FACTOR

- ≥ 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°C to +150°C, depending on the fluids conveyed and the application.

STERILIZATION

- Sterilization with steam up to +135°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

MTG Puralife® HOSE TESTED BY INERIS FOR USE IN ATEX ZONES MADE IN CLEANROOM ISO 14644-1 CLASS 8 USP CLASS VI EU 10/2011 FDA E.PATENT 1450092 MADE IN ITALY

TECHNICAL SPECIFICATIONS

SIZE TOLERANCES: I.D.: ISO 1307 - Wall thickness: ± 0.8mm - 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
13	25	6.0	10	30	-0.9	80	0.50	20
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

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." Above technical data refer to application at room temperature (+20°C). Other sizes are available upon request. Please contact our Sales Department.

USP CLASS VI PHARMACOPOEIA | EUROPEAN E.P. 3.1.9 PHARMACOPOEIA | ISO 10993 | EU 10/2011 | FDA FOOD QUALITY | BfR FOOD QUALITY | DM 21/03/73 | PATENTED E.P. 1450092 | MADE IN ISO 14644-1 CLASS 8

Cod. IT-M00135

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