MTG-CRYSTAL/UPE-PLATINUM

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

- Multipurpose hose designed to ensure utmost purity during transport of pharmaceutical, cosmetic, food and chemical products.
- Especially suitable for applications in which it is necessary to check the flow of the fluid conveyed.

CONSTRUCTION

TUBE

- UPE (Ultra High Molecular Weight Polyethylene), traslucent, smooth.
- Compliance: USP Class VI, FDA Standards, D.M. 21/03/73 and following amendments, Regulation EU n. 10/2011.

REINFORCEMENTS

- Embedded steel helix wire AISI 302.
- High-strengh plies of synthetic cord.

COVER

- Translucent silicone rubber (code: silicone 3362PT), ultra smooth and glossy finish.
- It may be easily cleaned with any mild detergent.
- Special finish with a low coefficient of friction.
- Compliance: USP Class VI, 3-A Sanitary Standards 18-03-Class I, FDA Standards, D.M. 21/03/73 and following amendments, BfR, European Pharmacopoeia 3.1.9, ISO 10993-4, -10, -11, non-cytotoxic according to ISO 10993-Part 5.

MAIN BENEFITS

- See-through construction for easy visual inspection of the media conveyed.
- Platinum-cured silicone cover with non-stick properties.
- Ultra-smooth liner, embedded into a high purity structure, suitable for conveying alcohol with a concentration up to 98%.
- Made in Cleanroom ISO 14644-1 Class 8.
- High flexibility, even under high and low temperature conditions, and excellent resistance of the structure to dynamic stress.
- Fatigue resistance exceeding 30 thousand cycles according to test method: FFSS technical specification 373407 esp. 03 par. 7.9.
- Hose in accordance with EC 1935/2004 and 2023/2006/EC (GMP).
- The MTG production cycle does not employ animal derived ingredients, phthalates, adipates, nitrosamines, and materials subject to restrictions acc. to EC 1907/2006 (REACH).

SAFETY FACTOR

- ≥ 3 times working pressure.

TEMPERATURE RANGE

- From -30°C to +90°C depending on the fluids conveyed.
- Peaks up to +130°C for max. 30 minutes

STERILIZATION

- Please refer to MTG Cleaning and Sterilization guidelines.

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	6	18	-0.9	45	60	0.42	30
19	29	5.0	6	18	-0.9	65	90	0.65	30
25	35	5.0	6	18	-0.9	85	140	0.80	30
38	48	5.0	5	15	-0.9	135	210	1.10	30
51	61	5.0	4	12	-0.9	180	280	1.60	30

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 graphic representation of the products is made for the sole purpose of illustrating the product and is purely indicative.
Above technical data are referring to application at room temperature (+20°C). Chemical resistance according to MTG Chemical Resistance Chart.
Other sizes are available upon request. Please contact our Sales Department.

3A SANITARY STANDARD · 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 · MADE IN ISO 14644-1 CLASS 8

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