



Braided Platinum Silicone made in Clean Room

Suitable for a wide Range of Applications

The world's leading pharmaceutical and medical device companies rely on HelixMark® to deliver an extensive selection of high-quality silicone tubing and fluid handling products.

Inner braided for High Pressure

Ideal for increased pressure or high temperatures - HelixMark® braided reinforced tubing is designed and manufactured especially for applications with higher pressures. Pressure-proof polyester braiding, firmly embedded between two layers of silicone, lends this tubing its particularly durability and resistance to pressure. The tubing is individually packaged in pre-cut lengths of 7.5 m.

Regulatory Compliance HelixMark® Silicone-Tubing

HelixMark® products have been developed as a result of over 30 years of medical device manufacturing experience. We apply an ISO 13485 medical device quality system to all production and inspection processes and include material certification and lot traceability with every product. Our products meet USP Class VI biocompatibility requirements.

All HelixMark® products are manufactured in clean rooms in compliance with the requirements of the medtech and pharmaceutical industry.

Features and Benefits

- braided reinforced for higher pressure
- platinvernetztes Silikon
- Reinraum ISO Klasse 8
- sterilisierbar
- Chargen-Rückverfolgbarkeit
- doppelt verpackt
- biokompatibel gemäß USP class VI
- Materialfreigaben nach ISO 10993-1, FDA 21CFR 177-2600 und EP 3.1.9 bzw. EP 3.1.9 ohne appearance of solution

Typical Applications

- Pharmacy Industry
- Medical Industry

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OPTUBUS believes that the information in this technical data sheet is an accurate description of the typical uses of the product. OPTUBUS, however, disclaims any liability for incidental or consequent damages, which may result from the use of the product that are beyond its control. Therefore it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficiency and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual property right.

The following criteria apply to all articles of this program:

- Materials approved in accordance with USP Class VI, ISO 10993-1, FDA 21CFR 177-2600 and EP 3.1.9 or EP 3.1.9 without appearance of solution
- Production and packaging in ISO Class 8 clean rooms
- Certified manufacturing in compliance with ISO 13485 quality standards
- sterilizable in autoclaves, with ethylene oxide and by gamma irradiation
- double packed
 - Off-the-shelf availability guarantees short delivery times
 - Customer-specific solutions available outside the HelixMark[®] standard product portfolio
- Individualisierbarkeit nach Kundenanforderungen außerhalb des HelixMark[®] Standardprogramms.

- Talk to us, about your individual Requirements! -

The Custom Services

Custom ID/OD sizing, custom labeling and certification, and a variety of packaging formats are available including bulk, spooled, and cut-to-length. Additional custom services include skiving, pad printing, bonding/gluing, punching, drilling, parylene coating, proprietary striping, and rapiopaque. We offer custom extrusions in a wide variety of tubing types including multi-lumen, intricate cross sections, co-extrusion, wire coating, profiles, rods, tapes, and formed tubing.

HelixMark[®] Braided Standard Sizes

Part number	Inner-Ø	Outer-Ø	Wall	Burst pressure:
SI3,18HM9,27	3,18 mm (1/8")	9,27 mm	3,05 mm	15 bar
SI4,76HM11,35	4,76 mm (3/16")	11,35 mm	3,3 mm	15 bar
SI6,35HM13,21	6,35 mm (1/4")	13,21 mm	3,43 mm	15 bar
SI7,94HM15,04	7,94 mm (5/16")	15,04 mm	3,55 mm	15 bar
SI9,53HM16,64	9,53 mm (3/8")	16,64 mm	3,56 mm	15 bar
SI12,7HM20,32	12,7 mm (1/2")	20,32 mm	3,81 mm	15 bar
SI15,88HM24,51	15,88 mm (5/8")	24,51 mm	4,32 mm	15 bar
SI19,05HM27,94	19,05 mm (3/4")	27,94 mm	4,45 mm	15 bar
SI22,23HM31,37	22,23 mm (7/8")	31,37 mm	4,57 mm	15 bar
SI25,4HM34,54	25,4 mm (1")	34,54 mm	4,57 mm	15 bar

Typical physical Properties of HelixMark[®] Braided

Property	Test Method	Value
Hardness	D 2240	69° Shore A
Color	-	translucent
Working Temperature Range	-	-60° C to +200°
Specific Gravity	TP 013	1,18 g/cm ³
Tensile Strength	D412	1228 psi
Elongation	D412	757,00%
Tear Strength	D624, Die B	265 psi
Compression Set (22h/177°C)	WSTM 1114	76,80%

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