

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

All HelixMark products are clean room manufactured in compliance with medtech and pharmaceutical industry requirements.

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
- All silicone is platinum cured.
- Production and packaging in ISO Class 8 clean rooms
- Certified manufacturing in compliance with ISO 13485 quality standards
- Sterilizable by Autoclave, Ethylene Oxide and Gamma Irradiation
- Material certification included
- Lot traceability
- Double bagged
- Standard product availability guarantees short delivery times
- Customer-specific solutions available outside the HelixMark standard product portfolio





# HELIXMARK® STANDARD TUBING

HelixMark standard silicone tubing meets the needs of a broad range of applications and is universally applicable for the transfer of fluids under standard requirements. The tubing is offered in four types of silicone elastomer: Dow Corning, Wacker, NuSil, and Momentive. Individually packed in pre-cut lengths of 50 feet.

INSIDE DIAMETER		OUTSIDE DIAMETER		WALL THICKNESS		DOW CORNING ISO, FDA, USP, EP	WACKER ISO, FDA, EP	NUSIL ISO, USP, EP	MOMENTIVE USP, FDA
inch	mm	inch	mm	inch	mm	REF	REF	REF	REF
.012	0.31	.025	0.64	.006	0.15	60-011-01	60-411-40	60-795-01	60-805-01
.020	0.51	.037	0.94	.008	0.20	60-011-02	60-411-41	60-795-02	60-805-02
.025	0.64	.047	1.19	.011	0.28	60-011-03	60-411-42	60-795-03	60-805-03
.030	0.76	.065	1.65	.018	0.46	60-011-04	60-411-43	60-795-04	60-805-04
.040	1.02	.085	2.16	.023	0.58	60-011-05	60-411-44	60-795-05	60-805-05
.058	1.47	.077	1.96	.009	0.23	60-011-06	60-411-45	60-795-06	60-805-06
.062	1.58	.095	2.41	.016	0.41	60-011-07	60-411-46	60-795-07	60-805-07
.062	1.58	.125	3.18	.032	0.81	60-011-08	60-411-47	60-795-08	60-805-08
.078	1.98	.125	3.18	.024	0.61	60-011-09	60-411-48	60-795-09	60-805-09
.104	2.64	.192	4.88	.044	1.12	60-011-10	60-411-49	60-795-10	60-805-10
.132	3.35	.183	4.65	.026	0.66	60-011-11	60-411-50	60-795-11	60-805-11
.125	3.18	.250	6.35	.063	1.59	60-011-21	60-411-51	60-795-21	60-805-21
.188	4.78	.313	7.95	.063	1.59	60-011-22	60-411-52	60-795-22	60-805-22
.188	4.78	.375	9.53	.094	2.38	60-011-23	60-411-53	60-795-23	60-805-23
.250	6.35	.375	9.53	.063	1.59	60-011-24	60-411-54	60-795-24	60-805-24
.250	6.35	.438	11.11	.094	2.38	60-011-25	60-411-55	60-795-25	60-805-25
.250	6.35	.500	12.70	.125	3.18	60-011-26	60-411-56	60-795-26	60-805-26
.313	7.94	.500	12.70	.094	2.38	60-011-27	60-411-57	60-795-27	60-805-27
.375	9.53	.500	12.70	.063	1.59	60-011-28	60-411-58	60-795-28	60-805-28
.375	9.53	.563	14.29	.094	2.38	60-011-29	60-411-59	60-795-29	60-805-29
.375	9.53	.625	15.88	.125	3.18	60-011-30	60-411-60	60-795-30	60-805-30
.500	12.70	.688	17.46	.094	2.38	60-011-31	60-411-61	60-795-31	60-805-31
.500	12.70	.750	19.05	.125	3.18	60-011-32	60-411-62	60-795-32	60-805-32
.625	15.88	.875	22.23	.125	3.18	60-011-33	60-411-63	60-795-33	60-805-33
.625	15.88	.938	23.82	.156	3.97	60-011-34	60-411-64	60-795-34	60-805-34
.750	19.05	1.000	25.40	.125	3.18	N/A	60-411-65	N/A	N/A

Values listed are typical and may vary. Typical hardness: 50 Shore A and 60 Shore A. 50 foot coils (~15m). Double bagged. Material certificate and lot traceability included.\*

**IN ACCORDANCE WITH**  
ISO: ISO 10993-1  
FDA: FDA 21CFR 177-2600  
USP: USP-CLASS VI  
EP: EP 3.1.9  
(EP): EP 3.1.9 without appearance of solution

\* Individual measured values may differ from mean values. These values are not to be considered as product specifications. Non-implantable, non-sterile.

#### TYPICAL MATERIAL PROPERTIES AS CURED

Specific Gravity [g/cm <sup>3</sup> ]	1.16	1.15	1.14	1.15
Durometer Hardness, Shore A	50	60	50	50
Tear Strength, Die B, ppi	262	218	230	270
Tensile Strength, Die C, psi	1473	1385	1350	1400
Elongation [%]	903	771	810	880