



NATIONWIDE PLASTICS, INC.

The Authority on Plastics Manufacturing and Distribution



E X C E L O N

S-Con MD®

Medical Grade Silicone Tubing



Physical Properties**

	S-CON MD
Hardness, Shore A ±5	60
Tensile Strength, psi	1350
Elongation at Break, %	450
Tear Resistance, Die B ppi	120
Brittle Temperature, °F	-100
Max. Operating Temp., °F	400
Comp. Set, 22 hrs. at 350°F, %	35

** Values listed are typical and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.

- All ingredients are non-toxic and FDA sanctioned for use with food contact surfaces
- Silicone elastomer meets USP class VI requirements
- Manufactured under Good Manufacturing Practices (GMP) in a controlled environment
- Reusable – will withstand repeated sterilization
- Non-reactive to body tissues and fluids
- Translucent natural color for visual contact with the flow
- Odorless, tasteless, and inert
- Radiopaque tubing available with minimum runs

S-CON MD

ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	SUGGESTED PUMP SIZES††	PART NO.
.012	.025	.007	50		110073
.020	.037	.009	50		110150
.025	.047	.011	50		110227
.030	.065	.018	50		110304
1/32	5/32	1/16	50	•	110381
.040	.085	.023	50		110458
.058	.077	.010	50		110535
.062	.095	.017	50		110612
1/16	1/8	1/32	50		110689
1/16	3/16	1/16	50	•	110766
.078	.125	.024	50		110843
3/32	7/32	1/16	50		110885
.104	.192	.044	50		110920
1/8	1/4	1/16	50		110997
1/8	5/16	3/32	50	•	111291
.132	.183	.026	50		111074
3/16	5/16	1/16	50	•	111151
3/16	3/8	3/32	50	•	111228
1/4	3/8	1/16	50	•	111305
1/4	7/16	3/32	25	•	111382
1/4	1/2	1/8	25		111459
5/16	7/16	1/16	25	•	111536
5/16	1/2	3/32	25		111613
3/8	1/2	1/16	25	•	111690
3/8	9/16	3/32	25	•	111767
3/8	5/8	1/8	25		111844
1/2	5/8	1/16	25	•	111921
1/2	11/16	3/32	25		111998
1/2	3/4	1/8	25		112075
5/8	7/8	1/8	25		112152
3/4	1	1/8	25		112229

S-CON MD tubing surface properties resist sticking and encrustation, and will not support bacteria growth. The tubing is soft, pliable, and contains no plasticizers which could leach out, causing flow contamination or tube hardening.

Radiopaque tubing can be supplied with the Barium Sulfate opaquing agent, either fully dispersed throughout the tubing, co-extruded as striping on the outer surface, or fully encapsulated within the wall.

Peroxide-cured S-CON MD tubing is supplied in individual, non-sterile, heat-sealed polybags and should be sterilized prior to use.

If tubing is exposed to repeated steam sterilization or long-term high temperature or pressure, silicone will eventually relax, become gummy, and should be replaced.

Note: S-CON MD is not recommended for implant or in-body uses. Care is recommended in the selection and application of fittings and clamps. Sharp, barbed fittings or unlined metal clamps could tear into the tubing wall.

Sold by standard coil length only. Product samples are available upon request.
 ††Most common peristaltic pump sizes due to I.D. and wall requirements.
 The Excelon Tube Snip Cutter is available for clean and easy tube cutting (Part No: 39000).
 Also available, Excelon Tube Snip Cutter Replacement Blades (Part No: 38000).



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