

LABORATORY & VACUUM TUBING

Laboratory & Vacuum Tubing



Excelon Laboratory and Vacuum tubing offers superior strength and versatility at a lower cost than alternative products. This crystal clear, highly flexible tubing is a reliable choice for the transfer of liquids and gases in most of today's laboratory applications.

Ideal for use in peristaltic pumps and medical devices, Excelon Laboratory and Vacuum tubing is an excellent alternative to latex and silicone tubing. The inner bore is as smooth as glass and prevents build-up, making clean-up and changeovers simple and problem-free.

EXCELON PVC LAB & VAC

Properties**	LAB & VAC
Hardness, Shore A	55
Specific Gravity	1.18
Tensile Strength, psi	1650
Elongation at Break, %	450
Max. Operating Temp., °F	165
Brittle Temperature, °F	-58

**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.



- Equivalent to Tygon® R-3603
- Withstands high heat and pressure, up to 27" Hg at 140°F and 29.9" Hg at room temperature
- Meets FDA CFR 21, Part 175.300 criteria
- Well suited for use in paint, pigment and soap dispensing applications
- Withstands autoclaving and repeated gamma sterilization
- Batch consistency

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Thermo

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LABORATORY & VACUUM TUBING

EXCELON LABORATORY & VACUUM TUBING SIZING CHART

ITEM NO.	SIZE NO.	ID (INCHES)	OD (INCHES)	WALL (INCHES)	LENGTH (FEET)	MINIMUM BEND RADUIS (INCHES)	MAX. WKG PSI @ 73 °F
436901705	S1A	1/16	1/8	1/32	50	1/4	49
436901805	S1B	3/32	5/32	1/32	50	3/8	32
43690205	S2	1/8	3/16	1/32	50	1/2	31
4360205	2	1/8	1/4	1/16	50	3/8	43
4360305	3	3/16	5/16	1/16	50	5/8	31
43690405	S4	3/16	1/4	1/32	50	1	23
4360505	5	3/16	7/16	1/8	50	3/8	54
4360605	6	1/4	3/8	1/16	50	1	25
4360705	7	1/4	7/16	3/32	50	3/4	34
4360805	8	1/4	1/2	1/8	50	1/2	43
4360905	9	5/16	7/16	1/16	50	1 3/8	21
4361005	10	5/16	1/2	3/32	50	1	28
4361105	11	5/16	9/16	1/8	50	7/8	36
4361205	12	3/8	1/2	1/16	50	1 1/2	18
4361305	13	3/8	9/16	3/32	50	1 3/8	25
4361405	14	3/8	5/8	1/8	50	1 1/8	31
4361505	15	7/16	9/16	1/16	50	2 1/4	16
4361805	18	1/2	5/8	1/16	50	2 7/8	14
4361905	19	1/2	11/16	3/32	50	2 1/4	19
4362005	20	1/2	3/4	1/8	50	1 1/2	25
4362505	25	5/8	13/16	3/32	50	3	16
4362605	26	5/8	7/8	1/8	50	2 3/8	21
4362705	27	5/8	15/16	5/32	50	2	25
4363105	31	3/4	1	1/8	50	3 1/4	18
436931805	S31B	3/4	1 1/4	1/4	50	2	31
436931905	S31C	3/4	1 1/8	3/16	50	2 3/8	25
4363305	33	7/8	1 1/8	1/8	50	4 1/8	16
4363505	35	1	1 1/4	1/8	50	4 3/8	14
4363705	37	1	1 3/8	3/16	50	4	19
4363805	38	1	1 1/2	1/4	50	3	25
43693905	S39	1 1/4	1 1/2	1/8	50	7 7/8	11
4364105	41	1 1/2	2	1/4	50	5 7/8	18
436941705	S41E	1 3/4	2 1/4	1/4	50	7 1/2	16
4364205	42	2	2 1/2	1/4	50	9 3/8	14

EXCELON LAB VACUUM TUBING

ITEM NO.	ID (INCHES)	OD (INCHES)	WALL (INCHES)	LENGTH (FEET)	MINIMUM BEND RADUIS (INCHES)	MAX. WKG PSI @ 73 °F
436188VAC	3/16	9/16	3/16	50	1/4	70
436250VAC	1/4	5/8	3/16	50	1/2	59
436375VAC	3/8	7/8	1/4	50	5/8	49
436500VAC	1/2	1 1/8	5/16	50	7/8	49
436625VAC	5/8	1 3/8	3/8	50	1	45
436750VAC	3/4	1 1/2	3/8	50	1 1/2	38
4361000VAC	1	2	1/2	50	1 7/8	42

EXCELON LAB METRIC TUBING (DIAMETER SHOWN IN MM)

ITEM NO.	ID (MM)	OD (MM)	WALL (MM)	LENGTH	UNITS (MM)	MAX. WKG PSI @ 73 °F
43600215	2	4	1	15 m	7	40
43600315	3	5	1	15 m	13	30
43600415	4	6	1	15 m	16	25
43600515	5	8	2	15 m	19	30
43600615	6	9	2	15 m	22	25
43600815	8	12	2	15 m	29	25