

EXCELON FOOD TUBING



Smooth, non-porous, flexible tubing



Excelon Food, Milk and Dairy Tubing is non-toxic, taste-free and odor-free, and meets all applicable regulatory standards for use in food, dairy and milk applications. Producers of food, milk and dairy products require the dependable performance of Excelon Tubing in countless filling, draining, transfer and processing applications.

Smooth, non-porous and flexible, Excelon Food Tubing promotes a sanitary fluid path by maintaining an interior free of trapped particles, and minimizing potential for bacterial growth. In addition, it is resistant to harsh alkaline cleaners and is not affected by most commonly used sanitizers.

PHYSICAL PROPERTIES

Properties**	PVC FOOD
Hardness, Shore A	65
Specific Gravity	1.21
Tensile Strength, psi	2100
Elongation at Break, %	450
Max. Operating Temp., °F	165
Brittle Temperature, °F	-47

**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.

** Fittings and clamps are also available. Please consult customer service for assistance.

- Equivalent to Tygon B-44-4X
- Chemical and bacterial resistant.
- Non-toxic, odor-free, taste-free
- Crystal clear for visual inspection and flow monitoring
- Use with various clamps and barbed style fittings
- Lightweight and easy to handle
- Meets FDA, 3-A and NSF criteria for contact with food and beverage products
- For applications requiring higher working pressures, refer to Excelon braided pressure tube
- Batch consistency

Thermo

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EXCELON FOOD TUBING

EXCELON FOOD, MILK, DAIRY TUBING SIZING CHART

ITEM NO.	SIZE NO.	ID (INCHES)	ID TOL.	OD (INCHES)	OD TOL.	WALL (INCHES)	LENGTH (FEET)	MINIMUM BEND RADIUS (INCHES)	MAX .WKG. PSI @ 73 °F
444901705	S1A	0.063	+/- .008	0.125	+/- .012	0.031	50	0.2500	60
444901805	S1B	0.094	+/- .008	0.156	+/- .012	0.031	50	0.3750	43
44490205	S2	0.125	+/- .008	0.188	+/- .012	0.094	50	0.5000	34
4440205	2	0.125	+/- .008	0.250	+/- .012	0.063	50	0.3750	60
4440305	3	0.188	+/- .008	0.313	+/- .012	0.063	50	0.6250	43
44490405	S4	0.188	+/- .008	0.250	+/- .012	0.031	50	1.0000	25
4440505	5	0.188	+/- .008	0.438	+/- .012	0.125	50	0.3750	54
4440605	6	0.250	+/- .012	0.375	+/- .015	0.063	50	1.0000	34
4440705	7	0.250	+/- .012	0.438	+/- .015	0.094	50	0.7500	47
4440805	8	0.250	+/- .012	0.500	+/- .015	0.125	50	0.6250	60
4440905	9	0.313	+/- .012	0.438	+/- .015	0.063	50	1.3750	28
4441005	10	0.313	+/- .012	0.500	+/- .015	0.094	50	1.0000	40
4441105	11	0.313	+/- .012	0.563	+/- .015	0.125	50	0.8750	50
4441205	12	0.375	+/- .012	0.500	+/- .015	0.063	50	1.7500	25
4441305	13	0.375	+/- .012	0.563	+/- .015	0.094	50	1.3750	34
4441405	14	0.375	+/- .012	0.625	+/- .015	0.125	50	1.1250	44
4441505	15	0.438	+/- .012	0.563	+/- .015	0.063	50	1.3750	22
4441805	18	0.500	+/- .015	0.625	+/- .020	0.063	50	2.8750	19
4441905	19	0.500	+/- .015	0.688	+/- .020	0.094	50	2.1250	27
4442005	20	0.500	+/- .015	0.750	+/- .020	0.125	50	1.7500	34
4442505	25	0.625	+/- .015	0.813	+/- .020	0.094	50	2.5000	23
4442605	26	0.625	+/- .015	0.875	+/- .020	0.125	50	2.3750	29
4442705	27	0.625	+/- .015	0.938	+/- .020	0.156	50	2.1250	35
4443105	31	0.750	+/- .020	1.000	+/- .025	0.125	50	3.2500	25
4443305	33	0.875	+/- .020	1.125	+/- .025	0.125	50	4.1250	22
4443505	35	1.000	+/- .020	1.250	+/- .025	0.125	50	5.1250	20
4443705	37	1.000	+/- .020	1.375	+/- .025	0.188	50	3.7500	27
4443805	38	1.000	+/- .063	1.500	+/- .063	0.250	50	3.0000	34
44493905	S39	1.250	+/- .063	1.500	+/- .063	0.125	50	7.3750	11
4444105	41	1.500	+/- .063	2.000	+/- .063	0.250	50	5.8750	25
444941705	S41E	1.750	+/- .063	2.250	+/- .063	0.250	50	7.5000	16
4444205	42	2.000	+/- .093	2.500	+/- .093	0.250	50	9.3750	19

**Tolerances for dimensional sizes above in accordance with generally accepted industry standards.

**A number of environmental factors (including, but not limited to temperature, chemical attack, stress, vibration and expansion over fittings) will reduce the tubing's ability to withstand the pressures noted. Prior to specifying this tubing for use, it is the end user's responsibility to conduct the necessary tests to determine fitness for use in a specific application.



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