

# FLEX™ TUBING PRODUCTS



WHEN QUALITY AND PERFORMANCE COUNT

*Finger Lakes Extrusion*  
**FLEX**  
*Tubing Products*

# About Us

## Finger Lakes Extrusion

Finger Lakes Extrusion was founded in 1998 when William Scott and Kingsley Beck bought the Nalgene Tubing Products business from Nalge Nunc International. Bill and King brought with them extensive experience in tubing extrusion and a dedication to quality products and service. They located Finger Lakes Extrusion in upstate New York in the heart of the scenic Finger Lakes Region.

Since its founding, Finger Lakes Extrusion has maintained an unrivaled level of personalized service and exceptional product quality. We develop a strong relationship with our customers and work hard to accommodate their unique needs. It's a difference you'll notice throughout your buying experience. We answer every phone call personally, so you'll never have to navigate a frustrating automated phone system. And our website allows you to check tubing specifications and submit technical questions and inquiries at your convenience, 24 hours a day.

Our staff has more than 100 years of combined extrusion experience. We've manufactured millions of feet of tubing, helped select and validate the correct product for hundreds of applications, and solved leakage and contamination problems for thousands of customers. Our customers have come to rely on us for fair prices and on-time delivery of tubing that's always in spec.

## Our diverse capabilities

Our state-of-the-art equipment allows us to customize products and packaging to help you reduce costs and streamline your process or application. Our large warehouse and high-efficiency shipping department enable us to stock virtually all standard catalog items and deliver them whenever and wherever you need them.

In addition to our standard products, we offer all kinds of custom solutions, including:

- Custom formulations
- Custom colors
- Custom lengths
- Custom sizes
- Custom packaging

**Call on us whenever you need a custom product to meet your requirements.**

## About FLEX™ Tubing Products

### Quality



Premium-quality FLEX tubing is made from the finest virgin resins, with no fillers or extenders. Our precision extrusion process ensures close tolerances and excellent concentricity for reliable, leakproof connections. Adherence to the strict guide lines of our ISO 9001: 2008-registered Quality Management System ensures consistent tubing – lot after lot – with full traceability.

### Performance

FLEX Tubing Products are available in a variety of materials and sizes to meet virtually any fluid transfer need. And we offer a full range of regulatory compliance for food, beverage, dairy, pharmaceutical, biotechnology and medical applications.

When quality and performance count, insist on FLEX Tubing Products for your fluid handling needs. Call us at **(585) 905-0632**. Or visit our website at **www.flextubing.com**.

## Contents

Selection Guide for FLEX Tubing Products.....	2	FLEX GP 70 PVC Tubing .....	6
Sterilization of FLEX Tubing Products .....	2	Ether-PUR FLEX 84 and Ester-PUR FLEX 85 Tubing .....	7
Tubing Conversion Chart .....	2	PolyFLEX 50 LDPE .....	8
ClearFLEX 60 PVC .....	3	Chemical Resistance Chart .....	9-10
ClearFLEX 70-1 PVC Tubing .....	4	Chemical Usage Guide .....	11
FuelFLEX 65 PVC Fuel Tubing .....	5	Tolerances .....	11
BraidFLEX 70N Braid-Reinforced PVC Tubing .....	5		



# ClearFLEX™ 60 PVC Tubing Products

All ClearFLEX™ 60 PVC tubing products offer the following features:

- Crystal clarity for visible flow
- Compliance with USP Class VI and USDA standards
- Compliance with FDA CFR 21 for food packaging
- May be sterilized by autoclaving, gas or chemical methods (see detailed information on page 2)

## ClearFLEX™ 60 Premium PVC Tubing

Features and Benefits:

- Long service life –non-aging, non-oxidizing
- Smooth inner wall resists build-up
- Soft and flexible – easy to slip over fittings
- Tight bend radius
- Outstanding flex life

Recommended Applications:

- Peristaltic pumps
- Lab and research work
- Media manufacture/transfer
- Food/beverage processing
- Condenser coolant lines
- Vapor transfer
- Toys

ClearFLEX 60					
Cat. No.	ID Size, in.	OD Size, in.	Wall Size, in.	Oper. Pressure psig @ 73°F	Case Qty., ft.
8160-4170	1/16	1/8	1/32	48	100
8160-4220	3/32	5/32	1/32	42	100
8160-4245	1/8	1/4	1/16	50	100
8160-4270*	5/32	7/32	1/32	30	100
8160-4275*	5/32	9/32	1/16	43	100
8160-4290*	3/16	1/4	1/32	22	100
8160-4295	3/16	5/16	1/16	36	100
8160-4305*	3/16	7/16	1/8	52	100
8160-4335	1/4	3/8	1/16	30	100
8160-4340	1/4	7/16	3/32	40	100
8160-4345	1/4	1/2	1/8	46	100
8160-4390	5/16	7/16	1/16	28	100
8160-4400	5/16	9/16	1/8	42	100
8160-4430	3/8	1/2	1/16	22	100
8160-4435	3/8	9/16	3/32	32	100
8160-4440	3/8	5/8	1/8	40	100
8160-4505	1/2	5/8	1/16	20	100
8160-4510	1/2	11/16	3/32	26	100
8160-4515	1/2	3/4	1/8	30	100
8160-4570	5/8	7/8	1/8	26	100
8160-2605	3/4	1	1/8	22	50
8160-2675	1	1-1/4	1/8	18	50
8160-2685	1	1-3/8	3/16	26	50
8160-2690	1	1-1/2	1/4	34	50
8160-2715	1-1/4	1-5/8	3/16	22	50
8160-2755	1-1/2	2	1/4	24	50
8160-2790	2	2-1/2	1/4	18	50

## ClearFLEX™ V60 Vacuum PVC Tubing

Features and Benefits:

- Extra heavy wall
- Withstands full vacuum (30" Hg) at room temperature and 26" Hg at 140°F
- Excellent resistance to corrosive atmospheres
- Kink-proof

ClearFLEX V60					
Cat. No.	ID Size, in.	OD Size, in.	Wall Size, in.	Oper. Pressure psig @ 73°F	Case Qty., ft.
8160-2310	3/16	9/16	3/16	62	50
8160-2350	1/4	5/8	3/16	56	50
8160-2460	3/8	7/8	1/4	54	50
8160-2530	1/2	1-1/8	5/16	52	50
8160-2585	5/8	1-3/8	3/8	56	50
8160-2625	3/4	1-1/2	3/8	46	50
8160-2700	1	2	1/2	46	50

## ClearFLEX™ M60 Metric PVC Tubing

Features and Benefits:

- All the advantages of ClearFLEX 60, but in metric sizes
- Eliminates leaky connections typical of "close-to-size" English-measure tubing

ClearFLEX M60					
Cat. No.	ID Size, in.	OD Size, in.	Wall Size, in.	Oper. Pressure psig @ 73°F	Case Qty., ft.
8160-0102	1.0	2.0	0.5	46	100
8160-0204	2.0	4.0	1.0	46	100
8160-0406	4.0	6.0	1.0	32	100
8160-0508	5.0	8.0	1.5	34	100
8160-0610	6.0	10.0	2.0	38	100
8160-0710	7.0	10.0	1.5	28	100
8160-0812	8.0	12.0	2.0	32	100
8160-0913	9.0	13.0	2.0	28	100
8160-1014	10.0	14.0	2.0	26	100
8160-1216	12.0	16.0	2.0	24	100
8160-1823	18.0	23.0	2.5	20	50
8160-2025	20.0	25.0	2.5	18	50

\*New product

# ClearFLEX™70-1 Premium PVC Tubing

## Features and Benefits:

- Complies with FDA CFR 21 for food packaging
- Complies with USP Class VI, NSF-51, 3A and USDA Standards
- Non-toxic
- Will not impart taste or odors
- Resistant to alkaline cleaners and sanitizers
- Flexible and easy to install and fit around corners – minimizes couplings
- Clear for visual inspection and flow control

## Recommended Applications:

- Transfer of foods, beverages, syrups, cooking oils, flavor extracts and preservatives
- Transfer of milk and milk products
- Administration of parenterals
- Dialysis
- Blood transfer
- Drainage lines
- Irrigation lines

Visit our website at  
[www.flextubing.com](http://www.flextubing.com)  
for the latest product and  
technical information

**NOTE:** The operating pressures for FLEX™ Tubing Products decrease as the temperature increases. The operating pressure for any given formulation and size at 125°F (52°C) is half that at 73°F (23°C).

ClearFLEX 70-1					
Cat. No.	ID Size, in.	OD Size, in.	Wall Size, in.	Oper. Pressure psig @ 73°F	Case Qty., ft.
8170-4170	1/16	1/8	1/32	66	100
8170-4175*	1/16	3/16	1/16	80	100
8170-4220	3/32	5/32	1/32	56	100
8170-4240*	1/8	3/16	1/32	46	100
8170-4245	1/8	1/4	1/16	68	100
8170-4270*	5/32	7/32	1/32	56	100
8170-4275*	5/32	9/32	1/16	60	100
8170-4290*	3/16	1/4	1/32	34	100
8170-4295	3/16	5/16	1/16	54	100
8170-4305*	3/16	7/16	1/8	80	100
8170-4335	1/4	3/8	1/16	46	100
8170-4340	1/4	7/16	3/32	58	100
8170-4345	1/4	1/2	1/8	70	100
8170-4390	5/16	7/16	1/16	40	100
8170-4400	5/16	9/16	1/8	62	100
8170-4405*	5/16	5/8	5/32	68	100
8170-4430	3/8	1/2	1/16	34	100
8170-4435	3/8	9/16	3/32	48	100
8170-4440	3/8	5/8	1/8	58	100
8170-4470*	7/16	1-1/16	1/8	48	100
8170-4505	1/2	5/8	1/16	28	100
8170-4510	1/2	11/16	3/32	38	100
8170-4515	1/2	3/4	1/8	44	100
8170-4570	5/8	7/8	1/8	38	100
8170-2590*	11/16	15/16	1/8	36	50
8170-2605	3/4	1	1/8	34	50
8170-2640*	7/8	1-1/8	1/8	30	50
8170-2675	1	1-1/4	1/8	28	50
8170-2685	1	1-3/8	3/16	38	50
8170-2690*	1	1-1/2	1/4	44	50
8170-2710	1-1/4	1-1/2	1/8	24	50
8170-2715	1-1/4	1-5/8	3/16	34	50
8170-2750	1-1/2	1-7/8	3/16	28	50
8170-2755	1-1/2	2	1/4	36	50
8170-2790	2	2-1/2	1/4	28	50

\*New product

# FuelFLEX™65 PVC Fuel Tubing BraidFLEX™70N Braided PVC Tubing

## FuelFLEX™65 PVC Fuel Tubing

### Features and Benefits:

- Flexible and easy to install (65A durometer)
- Resists swelling and hardening
- Easy-to-identify transparent yellow

### Recommended Applications:

- For intermittent use with petroleum-based products
- Fuel drain lines, vent tubes and overflow tubes
- Transfer of gasoline, heating oils, cutting compounds and coolants
- Lab handling of distillates
- NOT intended for use with foods or beverages

FuelFLEX 65					
Cat. No.	ID Size, in.	OD Size, in.	Wall Size, in.	Oper. Pressure psig @ 73°F	Case Qty., ft.
8365-4190*	5/64	9/64	1/32	42	100
8365-4230	3/32	3/16	3/64	54	100
8365-4245	1/8	1/4	1/16	62	100
8365-4295	3/16	5/16	1/16	48	100
8365-4335	1/4	3/8	1/16	40	100
8365-4390	5/16	7/16	1/16	36	100
8365-4430	3/8	1/2	1/16	30	100
8365-4440*	3/8	5/8	1/8	44	100
8365-4463*	7/16	9/15	1/16	24	100
8365-4465	7/16	5/8	3/32	40	100
8365-4505*	1/2	5/8	1/16	22	100
8365-4515	1/2	3/4	1/8	40	100
8365-4570	5/8	7/8	1/8	34	100
8365-2605	3/4	1	1/8	30	50

\*New product

## BraidFLEX™70N Braided PVC Tubing

### Features and Benefits:

- Complies with NSF-51
- Complies with FDA CFR 21 for food packaging
- Embedded braid prevents material entrapment, ensures easy cleaning
- Easy to bend into place
- Flexible; permits tight clamping for leakproof connections
- Maximum working pressure clearly printed on tubing
- Clear tubing allows full visual flow monitoring

### Recommended Applications:

- Transfer lines
- Higher-pressure applications, including lab, food and beverage use
- Pneumatic circuitry
- Cell culture
- Use with insert/barbed fittings
- NOT recommended for vacuum applications

BraidFLEX 70N					
Cat. No.	ID Size, in.	OD Size, in.	Wall Size, in.	Oper. Pressure psig @ 73°F	Case Qty., ft.
8470-4300	3/16	3/8	3/32	276	100
8470-7300	3/16	3/8	3/32	276	250
8470-4340	1/4	7/16	3/32	276	100
8470-7340	1/4	7/16	3/32	276	250
8470-4395	5/16	1/2	3/32	276	100
8470-4435	3/8	9/16	3/32	250	100
8470-7435	3/8	9/16	3/32	250	250
8470-4515	1/2	3/4	1/8	230	100
8470-7515	1/2	3/4	1/8	230	250
8470-4570	5/8	7/8	1/8	230	100
8470-7570	5/8	7/8	1/8	230	250
8470-2605	3/4	1	1/8	176	50
8470-7605	3/4	1	1/8	176	250
8470-2680	1	1-5/16	5/32	140	50
8470-7680	1	1-5/16	5/32	140	250
8470-2715	1-1/4	1-5/8	3/16	100	50
8470-2750	1-1/2	1-7/8	3/16	80	50
8470-2790	2	2-1/2	1/4	70	50



FLEX GP70						
FLEX GP70 (Clear) Cat. No.	FLEX GP70B (Black) Cat. No.	ID Size, in.	OD Size, in.	Wall Size, in.	Oper. Pressure psig @ 73°F	Case Qty., ft.
8200-4170	8242-4170*	1/16	1/8	1/32	66	100
8200-4220*	8242-4220*	3/32	5/32	1/32	56	100
8200-4235*	8242-4235*	3/32	7/32	1/16	64	100
8200-4240		1/8	3/16	1/32	46	100
8200-4245	8242-4245	1/8	1/4	1/16	68	100
8200-4275*	8242-4275*	5/32	9/32	1/16	60	100
8200-4290	8242-4290*	3/16	1/4	1/32	34	100
8200-4295	8242-4295	3/16	5/16	1/16	54	100
8200-4300	8242-4300*	3/16	3/8	3/32	70	100
8200-4305		3/16	7/16	1/8	80	100
8200-4330		1/4	5/16	1/32	28	100
8200-4335	8242-4335	1/4	3/8	1/16	46	100
8200-4340	8242-4340*	1/4	7/16	3/32	58	100
8200-4345	8242-4345	1/4	1/2	1/8	70	100
8200-4390	8242-4390	5/16	7/16	1/16	40	100
8200-4395		5/16	1/2	3/32	52	100
8200-4400		5/16	9/16	1/8	62	100
8200-4430	8242-4430	3/8	1/2	1/16	34	100
8200-4435		3/8	9/16	3/32	48	100
8200-4440	8242-4440	3/8	5/8	1/8	58	100
8200-4463		7/16	9/16	1/16	30	100
8200-4505	8242-4505	1/2	5/8	1/16	28	100
8200-4510		1/2	11/16	3/32	38	100
8200-4515	8242-4515	1/2	3/4	1/8	44	100
8200-4540		9/16	3/4	3/32	36	100
8200-4560		5/8	3/4	1/16	24	100
8200-4565		5/8	13/16	3/32	34	100
8200-4570	8242-4570	5/8	7/8	1/8	38	100
8200-2600		3/4	7/8	1/16	20	50
8200-2605	8242-2605	3/4	1	1/8	34	50
8200-4605		3/4	1	1/8	34	100
8200-2615		3/4	1-1/8	3/16	48	50
8200-2640		7/8	1-1/8	1/8	30	50
8200-2675	8242-2675	1	1-1/4	1/8	28	50
8200-4675		1	1-1/4	1/8	28	100
8200-2685		1	1-3/8	3/16	38	50
8200-2690		1	1-1/2	1/4	44	50
8200-2710		1-1/4	1-1/2	1/8	24	50
8200-2715		1-1/4	1-5/8	3/16	34	50
8200-2720		1-1/4	1-3/4	1/4	40	50
8200-2745		1-1/2	1-3/4	1/8	18	50
8200-2750		1-1/2	1-7/8	3/16	28	50
8200-2755	8242-2755	1-1/2	2	1/4	36	50
8200-2790	8242-2790	2	2-1/2	1/4	28	50
8200-2805		2-1/4	2-3/4	1/4	24	50
8200-2815	8242-2815	2-1/2	3	1/4	22	50
8200-0840*	8242-0840*	3	3-1/2	¼	20	10

\*New product

## FLEX™GP70 PVC Tubing – Clear

### Features and Benefits:

- Clear and flexible
- Complies with FDA CFR 21 for food packaging
- Resists aging
- Resistant to a broad range of chemicals
- Excellent wearability
- Smooth inner wall; excellent flow characteristics
- Easy to connect
- Cost-effective alternative to ClearFLEX for applications that don't require regulatory compliances
- Light weight, yet tough and abrasion-resistant

### Recommended Applications:

- General-purpose chemical transfer and other applications not subject to regulatory requirements
- Suitable for use with foods and beverages
- Handles broad range of chemicals, gases and liquids

## FLEX™GP70B PVC Tubing – Black

### Features and Benefits:

- More resistant to UV exposure than clear tubing
- Does not promote algae growth

### Recommended Applications:

- Outdoor applications
- Light-sensitive media
- Color coding of processing lines
- Secondary containment of other lines

**NOTE:** The operating pressures for FLEX™ Tubing Products decrease as the temperature increases. The operating pressure for any given formulation and size at 125°F (52°C) is half that at 73°F (23°C).

# Ether-PUR FLEX™84 Tubing – Ether-Based Ester-PUR FLEX™85 Tubing – Ester-Based

## Ether-PUR FLEX™84 Tubing – Ether-Based

### Features and Benefits:

- Complies with FDA CFR 21 for food packaging
- Clear and flexible
- Tough; resists tearing and abrasion
- Superior resistance to hydrolytic degradation compared to Ester-PUR FLEX 85
- Flexible at low temperatures
- High impact resistance
- Pure polyurethane; contains no plasticizers and low levels of extractables
- Resistant to atmospheric ozone

### Recommended Applications:

- High-purity applications
- Instrumentation
- Distilled, deionized, demineralized or reverse osmosis-treated water
- Handling petroleum-based products
- Recommended for use with aqueous solutions

Ether-PUR FLEX 84					
Cat. No.	ID Size, in.	OD Size, in.	Wall Size, in.	Oper. Pressure psig @ 73°F	Case Qty., ft.
8684-4170	1/16	1/8	1/32	90	100
8684-4240	1/8	3/16	1/32	58	100
8684-4245	1/8	1/4	1/16	92	100
8684-4290	3/16	1/4	1/32	48	100
8684-4295	3/16	5/16	1/16	72	100
8684-4335	1/4	3/8	1/16	76	100
8684-4340	1/4	7/16	3/32	80	100
8684-4345	1/4	1/2	1/8	92	100
8684-4390	5/16	7/16	1/16	56	100
8684-4400	5/16	9/16	1/8	84	100
8684-4430	3/8	1/2	1/16	48	100
8684-4440	3/8	5/8	1/8	76	100
8684-4465	7/16	5/8	3/32	56	100
8684-4505	1/2	5/8	1/16	34	100
8684-4515	1/2	3/4	1/8	64	100
8684-4565	5/8	13/16	3/32	44	100
8684-4570	5/8	7/8	1/8	50	100
8684-2605	3/4	1	1/8	48	50
8684-2640	7/8	1-1/8	1/8	38	50
8684-2675	1	1-1/4	1/8	34	50

## Ester-PUR FLEX™85 Tubing – Ester-Based

### Features and Benefits:

- Complies with FDA CFR 21 for food packaging
- Excellent resistance to abrasion, low temperatures and flexing
- Resistant to atmospheric ozone, aliphatic hydrocarbons and petroleum products
- Pure polyurethane; contains no plasticizers and low levels of extractables

### Recommended Applications:

- High-purity applications
- Fuel lines
- Instrumentation
- Cable jacketing
- Gas sampling lines
- NOT recommended for use with aqueous solutions

Ester-PUR FLEX 85					
Cat. No.	ID Size, in.	OD Size, in.	Wall Size, in.	Oper. Pressure psig @ 73°F	Case Qty., ft.
8685-4170	1/16	1/8	1/32	106	100
8685-4240	1/8	3/16	1/32	70	100
8685-4245	1/8	1/4	1/16	110	100
8685-4290	3/16	1/4	1/32	56	100
8685-4295	3/16	5/16	1/16	86	100
8685-4330	1/4	5/16	1/32	50	100
8685-4335	1/4	3/8	1/16	76	100
8685-4340	1/4	7/16	3/32	96	100
8685-4345	1/4	1/2	1/8	110	100
8685-4390	5/16	7/16	1/16	66	100
8685-4400	5/16	9/16	1/8	100	100
8685-4430	3/8	1/2	1/16	56	100
8685-4435	3/8	9/16	3/32	76	100
8685-4440	3/8	5/8	1/8	90	100
8685-4465	7/16	5/8	3/32	66	100
8685-4505	1/2	5/8	1/16	40	100
8685-4515	1/2	3/4	1/8	76	100
8685-4565	5/8	13/16	3/32	52	100
8685-4570	5/8	7/8	1/8	60	100
8685-2605	3/4	1	1/8	56	50
8685-2640	7/8	1-1/8	1/8	46	50
8685-2675	1	1-1/4	1/8	40	50



## PolyFLEX™50 LDPE Tubing – Natural

## PolyFLEX™50B LDPE Tubing – Black

### PolyFLEX™50 LDPE Tubing – Natural

#### Features and Benefits:

- Complies with FDA CFR 21 for food packaging
- Semi-rigid and translucent
- Low in extractables
- Offers a wide range of working temperatures
- Resistant to a broad range of chemicals

#### Recommended Applications:

- Transfer of foods and beverages
- Instrumentation
- Chemical lines

PolyFLEX™50 LDPE Tubing – Natural					
Cat. No.	ID Size, in.	OD Size, in.	Wall Size, in.	Oper. Pressure psig @ 73°F	Case Qty., ft.
8750-4245	1/8	1/4	1/16	200	100
8750-4281	.170	1/4	.040	120	100
8750-8281*	.170	1/4	.040	120	500
8750-4335	1/4	3/8	1/16	120	100
8750-8335*	1/4	3/8	1/16	120	500
8750-4430	3/8	1/2	1/16	86	100
8750-8430*	3/8	1/2	1/16	86	500
8750-4505	1/2	5/8	1/16	66	100
8750-8505*	1/2	5/8	1/16	66	500
8750-2605	3/4	1	1/8	80	50

\*New product

### PolyFLEX™50B LDPE Tubing – Black

#### Features and Benefits:

- Same formulation as PolyFLEX 50
- Complies with FDA CFR 21 for food packaging
- More resistant to UV radiation than natural tubing
- Does not promote algae growth

#### Recommended Applications:

- Outdoor applications
- Light-sensitive media
- Color coding of processing lines

PolyFLEX™50B LDPE Tubing – Black					
Cat. No.	ID Size, in.	OD Size, in.	Wall Size, in.	Oper. Pressure psig @ 73°F	Case Qty., ft.
8752-4245	1/8	1/4	1/16	200	100
8752-4281	.170	1/4	.040	120	100
8752-4335	1/4	3/8	1/16	120	100
8752-4430	3/8	1/2	1/16	86	100
8752-4505	1/2	5/8	1/16	66	100

**NOTE:** The operating pressures for FLEX™ Tubing Products decrease as the temperature increases. The operating pressure for any given formulation and size at 125°F (52°C) is half that at 73°F (23°C).

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