



ClearFLEX™ 60 / V60 / M60

Product Features

All ClearFLEX™ 60 / V60 / M60 tubing products offer the following:

- Crystal Clarity for visible flow
- Compliance with USP Class VI & USDA Standards
- Compliance with FDA CFR 21 for food packaging
- May be sterilized by autoclaving, gas or chemical methods (see website for details)

ClearFLEX™ 60 PVC

For Medical & Laboratory Applications

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

ClearFLEX™ V60 PVC Vacuum Tubing

For Vacuum Applications

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

ClearFLEX™ M60 PVC Metric Tubing

For Medical & Research Applications

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

Typical Applications

- Peristaltic Pumps
- Lab & Research work
- Media manufacture / transfer
- Food / Beverage
- Condenser coolant lines
- Vapor transfer

Specifications

All ClearFLEX™ 60 / V60 / M60 tubing products offer the following:

- Meets the requirements of the U.S. Pharmacopoeia Class VI Biological Tests for Plastics;
- Is non-hemolytic/blood compatible;
- Meets the US Dept. of Agriculture acceptance standards for contact with meat and poultry food products;
- Is manufactured from ingredients whose usage is sanctioned by the US Food & Drug Administration under Title 21 of the Code of Federal Regulations for food packaging applications, per the following:

Ingredients & CRF Paragraph No.	
Polyvinyl Chloride	175.300
Plasticizers	181.27
Stabilizers	178.2010
Colorants	178.3970

Chemical Resistance

Ratings for ideal conditions 73°F / 25°C

Strong Mineral Acids	Fair
Organic Acids	Good
Weak Acids	Excellent
Bases - Weak	Excellent
Bases - Strong	Good
Solvents	Not Recommended

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Finger Lakes Extrusion

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ClearFLEX™ 60 / V60 / M60 Size & Physical Properties

ClearFLEX™ 60 PVC Size Chart

Catalog Number	Id Size In.	Od Size In.	Wall	Operating Pressure PSIG °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 PVC Size Chart

Catalog Number	Id Size In.	Od Size In.	Wall	Operating Pressure PSIG °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 Size Chart

Catalog Number	Id Size In.	Od Size In.	Wall	Operating Pressure PSIG °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

Physical Properties

MODEL	ClearFLEX™ 60 PVC		ClearFLEX™ V60 PVC		ClearFLEX™ M60 PVC	
	ASTM Method	Value Rating	ASTM Method	Value Rating	ASTM Method	Value Rating
Hardness; Shore A (+/- 5)	D2240	60	D2240	60	D2240	60
Vacuum		Not Recommended		30" Hg @ 73°F 27" Hg @ 140°F		Not Recommended
Operating temperature range		-25° - 160° F -32° - 71°C		-25° - 160° F -32° - 71°C		-25° - 160° F -32° - 71°C
Maximum Working Pressure		73°F / 30PSI 120°F / 15PSI		73°F / 56PSI		73°F / 38PSI 120°F / 19PSI
Testing Size		1/4"ID x 1/16"W		1/4"ID x 3/16" Wall		6mmID x 2mmWall
Color		Crystal Clear		Crystal Clear		Crystal Clear
Odor		Slight		Slight		Slight
Taste		None		None		None
Specific Gravity; g/cm ³	D792	1.19	D792	1.19	D792	1.19
Tensile Strength; psi	D638	1650	D638	1650	D638	1650
Ultimate Elongation; %	D638	450	D638	450	D638	450
Flame Resistance	D568	Self-extinguishing	D568	Self-extinguishing	D568	Self-extinguishing

* The above is accurate to the best of the Company's knowledge, however, these are typical values and should not be used as a certification. All materials should be tested for suitability in their intended use.

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