Finger Lakes Extrusion
Flexible Solutions in Plastics

ClearFLEX ™ 70NP

The ClearFLEX™ 70NP non-phthalate product line is made from a 70 durometer flexible PVC compound that is bovine-free and formulated with a unique non-DEHP, non-phthalate plasticizer for use food and beverage applications, the transfer of milk products and medical devices where the presence of phthalates is undesirable. The ingredients in this compound allow distributors and end users to market its use not only in the USA but also in Europe.

Typical Applications

- General Laboratory
- Transfer of foods, beverages, syrups, cooking oils, flavor extracts and preservatives
- Transfer of milk and milk products
- Blood transfer lines and other medical devices
- Pharmaceutical
- Brewery & Winery
- Vitamins & Supplement

Specifications

All ClearFLEX™ 70NP tubing products offer the following:

- NSF-51 and NSF-61-G Listed
- FDA: Is manufactured from ingredients whose usage is sanctioned by the U.S. Food & Drug Administration under Title 21 of the Code of Federal Regulations for food contact applications, with the following restrictions:
  - Acceptable Food Types: All, upto 50% alcohol
  - Conditions of Use: B through H, not to exceed 100°C
  - Restrictions: Repeat use only and not for use in contact with infant formula and breast milk
- Meets the requirements of the U.S. Pharmacopeia Class VI (chapters 87 and 88) Biological Tests for Plastics
- Meets UL94 HB/V-1 requirements
- Meets REACH and ROHS standards and does not contain substances listed on Proposition 65
- Meets ISO 10993 (parts 2, 5, 10 and 12) requirements
- Does not contain any PFAS ingredients or any ingredients listed under the EPA TSCA Act
- Meets 3A requirements for milk transfer

Chemical Resistance

Ratings for ideal conditions 73°F / 25°C					
Strong Mineral Acids	Organic Acids	Weak Acids	Bases Weak	Bases Strong	Solvents
Fair	Good	Excellent	Excellent	Fair	Not Recommended

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Physical Properties

Properties	ASTM Method	Value Rating
Hardness; Shore A (+/- 5)	D2240	70
Vacuum		Not Recommended
Operating temperature range		-10 -175
Maximum Working Pressure		73° / 47PSI 125° / 23PSI
Testing Size		1/4"ID x 1/16"W
Color		Crystal Clear
Odor		Slight
Taste		None
Specific Gravity; g/cm^3	D792	1.19
Tensile Strength; psi	D638	2425
Ultimate Elongation; %	D638	400
Brittle Point, Celsius	D746	-31

ClearFLEX ™ M70NP Size Chart

Catalog Number	Id (mm)	Od (mm)	Wall	Operating Pressure PSIG °F	Case Qty. Ft .
8870-0305	3.0	5.0	1.0	53	100
8870-0306	3.0	6.0	1.5	67	100
8870-0307	3.0	7.0	2.0	77	100
8870-0308	3.0	8.0	2.5	84	100
8870-0407	4.0	7.0	1.5	58	100
8870-0408	4.0	8.0	2.0	68	100
8870-0409	4.0	9.0	2.5	55	100
8870-0608	6.0	8.0	1.0	33	100
8870-0609	6.0	9.0	1.5	45	100
8870-0610	6.0	10.0	2.0	54	100
8870-0709	7.0	9.0	1.0	30	100
8870-0710	7.0	10.0	1.5	40	100
8870-0711	7.0	11.0	2.0	49	100
8870-0911	9.0	11.0	1.0	24	100
8870-0913	9.0	13.0	2.0	42	100
8870-0915	9.0	15.0	3.0	54	100
8870-1013	10.0	13.0	1.5	31	100
8870-1015	10.0	15.0	2.5	45	100
8870-1017	10.0	17.0	3.5	56	100
8870-1520	15.0	20.0	2.5	34	100
8870-1522	15.0	22.0	3.5	43	100
8870-1524	15.0	24.0	4.5	50	100

ClearFLEX ™ 70 NP Size Chart

Catalog Number	Id (in)	Od (in)	Wall	Operating Pressure PSIG °F	Case Qty. Ft .
8870-4170	1/16	1/8	1/32	66	100
8870-4175	1/16	3/16	1/16	80	100
8870-4220	3/32	5/32	1/32	56	100
8870-4240	1/8	3/16	1/32	46	100
8870-4245	1/8	1/4	1/16	68	100
8870-4270	5/32	7/32	1/32	56	100
8870-4275	5/32	9/32	1/16	60	100
8870-4290	3/16	1/4	1/32	34	100
8870-4295	3/16	5/16	1/16	54	100
8870-4305	3/16	7/16	1/8	80	100
8870-4335	1/4	3/8	1/16	46	100
8870-4340	1/4	7/16	3/32	58	100
8870-4345	1/4	1/2	1/8	70	100
8870-4390	5/16	7/16	1/16	40	100
8870-4400	5/16	9/16	1/8	62	100
8870-4405	5/16	5/8	5/32	68	100
8870-4430	3/8	1/2	1/16	34	100
8870-4435	3/8	9/16	3/32	48	100
8870-4440	3/8	5/8	1/8	58	100
8870-4470	7/16	11/16	1/8	48	100
8870-4505	1/2	5/8	1/16	28	100
8870-4510	1/2	11/16	3/32	38	100
8870-4515	1/2	3/4	1/8	44	100
8870-4570	5/8	7/8	1/8	38	100
8870-2590	11/16	15/16	1/8	36	100
8870-2605	3/4	1	1/8	34	50
8870-2640	7/8	1-1/8	1/8	30	50
8870-2675	1	1-1/4	1/8	28	50
8870-2685	1	1-3/8	3/16	38	50
8870-2690	1	1-1/2	1/4	44	50
8870-2710	1-1/4	1-1/2	1/8	24	50
8870-2715	1-1/4	1-5/8	3/16	34	50
8870-2750	1-1/2	1-7/8	3/16	28	50
8870-2755	1-1/2	2	1/4	36	50
8870-2790	2	2-1/2	1/4	28	50

* 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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