



# ClearFLEX™ 60NP

## Product Features

The ClearFLEX™ 60NP non-phthalate product line is made from a 60 durometer flexible PVC compound that is bovine-free and formulated with a unique non-DEHP, non-phthalate plasticizer for use in infant products, food and beverage applications 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.

### ClearFLEX™ 60 Non-Phthalate PVC

For Food and Beverage Processing plus Laboratory, Medical and Pharmaceutical Applications

- Complies with FDA CFR 21 for food packaging
- Complies with USP Class VI, NSF-51 and USDA standards
- Will not impart taste or odors
- Flexible and easy to install and fit around corners – minimizes couplings
- Clear for visual inspection and flow control
- Meets REACH, ROHS and Proposition 65 requirements

## 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

## Specifications

All ClearFLEX™ 60NP tubing products offer the following:

- Acceptable for food contact by the following standard: *Every substance selected to formulate the items below is either "generally recognized as safe" (GRAS), prior-sanctioned, subject to an effective Food Contact Notification (FCN), subject to a Threshold of Regulation (TOR) exemption, or identified on one or more following sections of Title 21 of the Code of Federal Regulations published by the U.S. Food and Drug Administration (FDA): 181.5, 181.27, 178.2010, 172.860, 174.5*
- NSF-51 certified;
- Meets the requirements of the U.S. Pharmacopoeia Class VI Biological Tests for Plastics
- Meets REACH, ROHS and Proposition 65 requirements
- Does not contain any Proposition 65 substances
- Meets ISO 10993 requirements

## 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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# ClearFLEX™ 60NP Size & Physical Properties

ClearFLEX™ 60 PVC Size Chart

Catalog Number	Id Size In.	Od Size In.	Wall	Operating Pressure PSIG °F	Case Qty. Ft.
8860-4170	1/16	1/8	1/32	48	100
8860-4220	3/32	5/32	1/32	42	100
8860-4245	1/8	1/4	1/16	50	100
8860-4270	5/32	7/32	1/32	30	100
8860-4275	5/32	9/32	1/16	43	100
8860-4290	3/16	1/4	1/32	22	100
8860-4295	3/16	5/16	1/16	36	100
8860-4305	3/16	7/16	1/8	52	100
8860-4335	1/4	3/8	1/16	30	100
8860-4340	1/4	7/16	3/32	40	100
8860-4345	1/4	1/2	1/8	46	100
8860-4390	5/16	7/16	1/16	28	100
8860-4400	5/16	9/16	1/8	42	100
8860-4430	3/8	1/2	1/16	22	100
8860-4435	3/8	9/16	3/32	32	100
8860-4440	3/8	5/8	1/8	40	100
8860-4505	1/2	5/8	1/16	20	100
8860-4510	1/2	11/16	3/32	26	100
8860-4515	1/2	3/4	1/8	30	100
8860-4570	5/8	7/8	1/8	26	100
8860-2605	3/4	1	1/8	22	50
8860-2675	1	1-1/4	1/8	18	50
8860-2685	1	1-3/8	3/16	26	50
8860-2690	1	1-1/2	1/4	34	50
8860-2715	1-1/4	1-5/8	3/16	22	50
8860-2755	1-1/2	2	1/4	24	50
8860-2790	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.
8860-2310	3/16	9/16	3/16	62	50
8860-2350	1/4	5/8	3/16	56	50
8860-2460	3/8	7/8	1/4	54	50
8860-2530	1/2	1-1/8	5/16	52	50
8860-2585	5/8	1-3/8	3/8	56	50
8860-2625	3/4	1-1/2	3/8	46	50
8860-2700	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.
8860-0102	1.0	2.0	0.5	46	100
8860-0204	2.0	4.0	1.0	46	100
8860-0406	4.0	6.0	1.0	32	100
8860-0508	5.0	8.0	1.5	34	100
8860-0610	6.0	10.0	2.0	38	100
8860-0710	7.0	10.0	1.5	28	100
8860-0812	8.0	12.0	2.0	32	100
8860-0913	9.0	13.0	2.0	28	100
8860-1014	10.0	14.0	2.0	26	100
8860-1216	12.0	16.0	2.0	24	100
8860-1823	18.0	23.0	2.5	20	50
8860-2025	20.0	25.0	2.5	18	50

Physical Properties

Properties	ASTM Method	Value Rating
Hardness; Shore A (+/- 5)	D2240	60
Vacuum		Not Recommended
Operating temperature range		-25 + 160
Maximum Working Pressure		73° / 30PSI 125° / 15PSI
Testing Size		1/4"ID x 1/16"W
Color		Crystal Clear
Odor		Slight
Taste		None
Specific Gravity; g/cm³	D792	1.18
Tensile Strength; psi	D638	1825
Ultimate Elongation; %	D638	410

\* 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.