Finger Lakes Extrusion
Flexible Solutions in Plastics

BraidFLEX™ 70N

The BraidFLEX™ 70N product line is very similar to our ClearFLEX™ 70NP product line, but with the added inner nylon braid it can withstand much higher pressure applications. It maintains a clear color and flexible nature to allow for easy installation like all of our other ClearFLEX™ product lines along with visual flow monitoring.

- 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

Typical Applications

- Transfer lines
- Phneumatic circuitry
- Cell culture
- General Laboratory
- Use with insert/barbed fittings, do not allow pressure against cut end of the tube
- High pressure applications including lab, food and beverage
- NOT recommended for vacuum applications

Specifications

All BraidFLEX™ 70N 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 REACH and ROHS standards, does not contain substances listed on Proposition 65
- Does not contain any PFAS ingredients or any ingredients listed under the EPA TSCA Act
- The Fluid Contact Surface offers the following:
  - 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 ISO 10993 (parts 2, 5, 10 and 12) requirements
  - 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
Excellent	Good	Excellent	Excellent	Good	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		-5°F - 175° F -21°C - 80°C
Maximum Working Pressure		73°F / 276PSI 125°F / 138PSI
Testing Size		1/4"ID x 3/32"W
Color		Clear
Odor		Slight
Taste		None
Specific Gravity; g/cm^3	D792	1.19
Tensile Strength; psi	D638	2425
Ultimate Elongation; %	D638	400
Flame Resistance	D568	Self-extinguishing

BraidFLEX™ 70N Size Chart

Catalog Number	Id (in)	Od (in)	Wall	Operating Pressure PSIG °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
8470-8515	1/2	3/4	1/8	230	500
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
8470-5605	3/4	1	1/8	176	300
8470-8605	3/4	1	1/8	176	500
8470-2680	1	1-5/16	5/32	140	50
8470-7680	1	1-5/16	5/32	140	250
8470-5680	1	1-5/16	5/32	140	300
8470-8680	1	1-5/16	5/32	140	500
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

* 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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