



BraidFLEX™ 70N

Product Features

The BraidFLEX™ 70N product line is very similar to our ClearFLEX™ 70-1 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.

BraidFLEX™ 70N PVC Tubing

- 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
- Complies with NSF-51
- Complies with FDA CFR21 for food packaging

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:

- Complies with the NSF (National Sanitation Foundation) requirements for contact with aqueous, oil, dairy, acidic, and alcohol containing food; and is accordingly listed as approved under NSF-51;
- 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 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

BraidFLEX™ 70N Size & Physical Properties

Size Chart

Catalog Number	ID Size In.	OD Size In.	Wall	Operating 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

Physical Properties

Properties	ASTM Method	Value Rating
Hardness; Shore A (+/- 5)	D2240	70
Vacuum		Not Recommended
Operating temperature range		-5°F - 180° F -21°C - 82°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	1.20
Tensile Strength; psi	D638	2000
Ultimate Elongation; %	D638	350
Flame Resistance	D568	Self-extinguishing