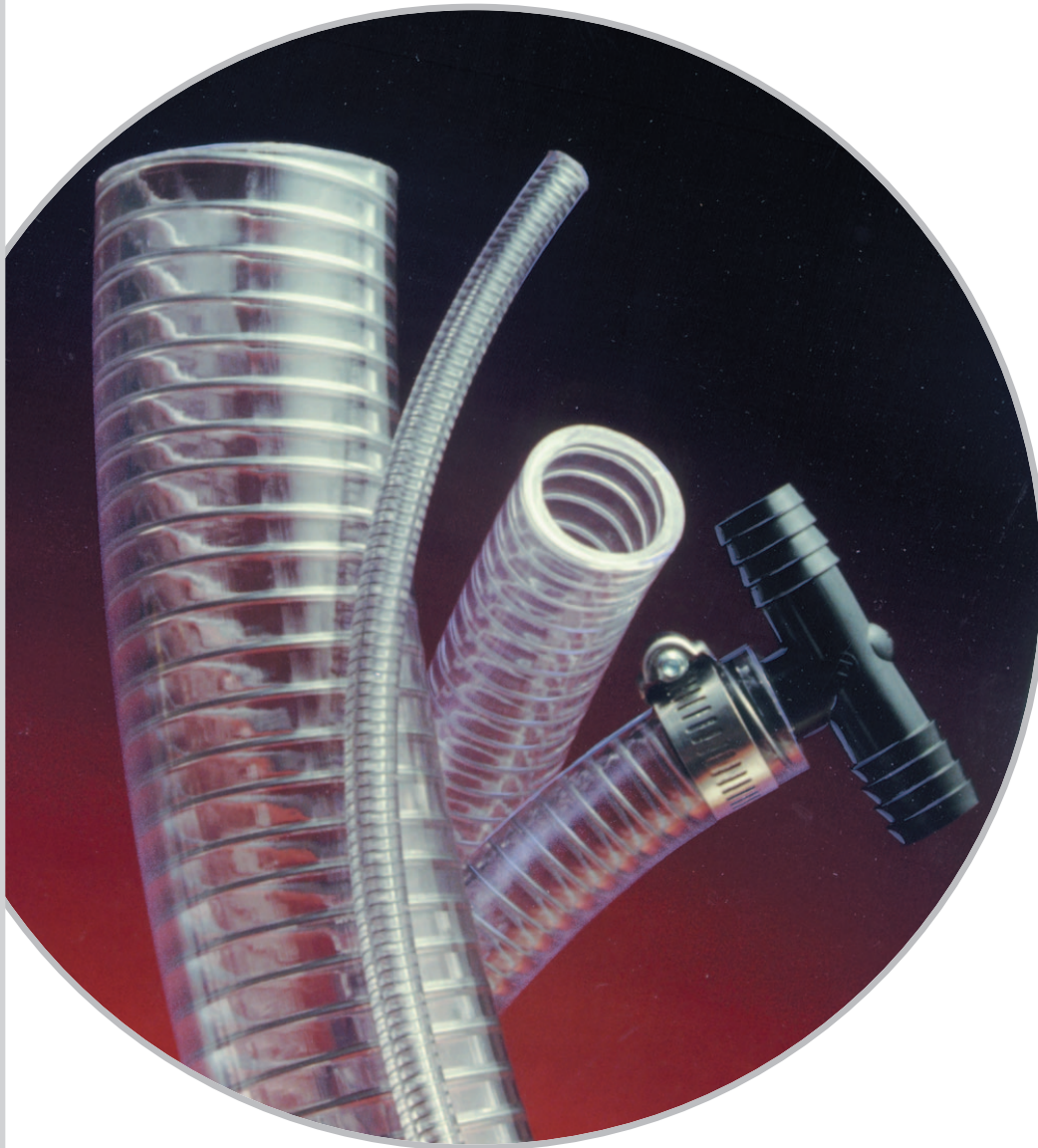


**FLUITEK**  
*inox componentes*

®

**Vardex**

Clear Steel Wire Reinforced PVC Suction Hose

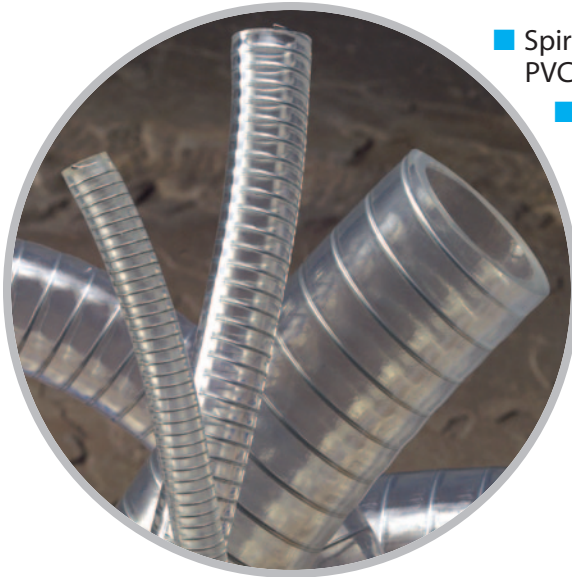


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**INDUSTRIES**

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for Your Benefit

Fluid Transfer Specialists®

## Clear Steel Wire Reinforced PVC Suction Hose



- Spiral steel wire reinforcement incorporated within the wall of flexible PVC tubing
- Made from non-toxic ingredients conforming to FDA standards
- Kink and crush resistant
- Handles pressure and full vacuum (29.9 in./Hg.) applications
- Glass-like clarity with mirror-smooth surfaces provide outstanding visual flow characteristics
- Lightweight (compared to rubber hoses) yet tough and abrasion resistant
- REACH compliant

### Notes

VARDEX, with its steel wire reinforcement coil, is specially suited for applications where resistance to kinking is of primary importance. A proprietary construction technique employed during the manufacture of VARDEX permits full vacuum capabilities (29.9 in./Hg.) for all sizes without hose collapse.

Constructed of corrosion-resistant PVC, VARDEX can be used to transport various chemicals in areas with tight turns and sharp bends. Its bend radius is approximately four times the I.D.

For easy identification, VARDEX is imprinted with the trademarked name.

### Physical Properties\*\*

Hardness, Shore A ±5	73
Tensile Strength, psi	2100
Elongation at Break, %	270
Brittle Temperature, °F	23
Maximum Operating Temperature, °F	150

\*\*Values listed are typical for the material used in manufacture, except where noted, and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.

PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	WORKING PSI AT 70°F	BEND RADIUS (IN.)	LBS. PER 100 FT.
140 0070	1/4	29/64	.102	200	1	7.0
140 0112	3/8	.610	.118	175	1-1/2	11.5
140 0154	1/2	.748	.124	140	2	15.0
140 0196	5/8	29/32	9/64	100	2-1/2	19.8
140 0238	3/4	1.024	.137	100	3	24.0
140 0280	1	1.319	.160	85	4	37.6
140 0322	1-1/4	1.634	.192	85	4-1/2	49.0
140 0364	1-1/2	1.909	.205	85	6	67.2
140 0406	2	2.382	.191	70	8	85.0

Standard coil length is 100 ft. Add length suffix to part number when ordering. Example: 100 ft. of 2" I.D. x 2.382" O.D. hose is part number 140 0406-100.

Working pressures are calculated from burst testing using a 3:1 safety factor. Application testing is recommended.

Cut coils are available; charges apply — call for details.

**BOLD** indicates the critical dimension for fittings application.

### Recommended Fittings & Clamps

- Thermobarb® barbed fittings
- Cam operated couplings
- Oetiker® ear type clamps
- Kwik Clamp™ nylon double bond hose clamps
- Worm gear clamps

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# FLUITEK

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# Nylobrade®

Clear, Phthalate Free, Braid Reinforced PVC Hose  
NSF-51 & NSF-61 Listed



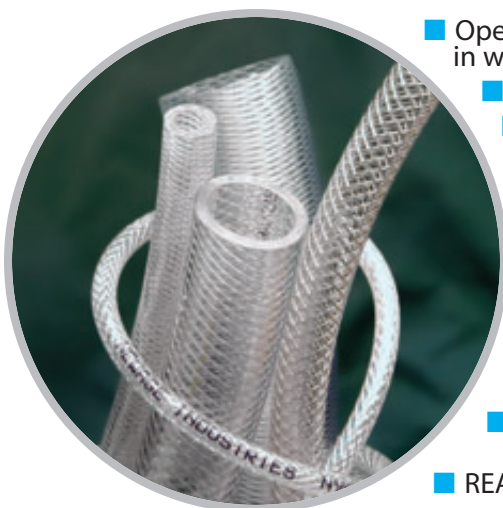
Recommended for  **Brew Savor**  
by NewAge Industries



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**Fluid Transfer Specialists®**





- Open mesh polyester braiding permanently encapsulated in walls of clear, flexible PVC tubing
- Phthalate, DEHP and BPA free
- Raw materials meet California Proposition 65
- Listed by the National Sanitation Foundation for food equipment materials (NSF-51) and potable water (NSF-61)
- Non-toxic raw materials conform to USP Class VI and FDA standards
- Offers much greater pressure capabilities than unreinforced PVC tubing
- Mirror smooth interior permits outstanding flow characteristics
- Crystal clear for full visual flow\*
- Corrosion and abrasion resistant with flexibility similar to rubber but with much longer life
- Well suited for food and beverage applications including non-fatty aqueous, milk and alcoholic beverages (less than or equal to 8% ABV)
- REACH and RoHS compliant



### Notes

NYLOBRADE is made from non-toxic raw materials that conform to Food and Drug Administration (FDA) standards for use in food contact applications. Its NSF listing makes NYLOBRADE a good choice for drinking water applications, those involving water at temperatures up to 60°C (140°F), and food processing applications.

NYLOBRADE is generally unaffected by most oxidizing and reducing agents. Diluted acids and alkalis have little effect, though if highly concentrated tend to make the hose less pliable. If chemical resistance is in question, in-plant tests are suggested.

Gasoline and oils will harden PVC over periods of intermittent use. In these applications, continuous use will slow the hardening process.

\*NYLOBRADE HP (High Pressure) sizes 3/8" I.D. and up have a tighter braid pattern and therefore reduce the visual flow contact and increase the hose's resistance to bending and flexing. Heavier walls on similar I.D.s will be more resistant to kinking.

### Physical Properties\*\*

Hardness, Shore A ±5	80
Tensile Strength, psi	2500
Elongation at Break, %	300
Brittle Temperature, °F	-50
Maximum Operating Temperature, °F	175
Maximum Operating Temp. for NSF, °F	140

\*\*Values listed are typical for the material used in manufacture, except where noted, and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.

PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	WALL TYPE†	STANDARD LENGTH (FT.)††	WORKING PSI AT 70°F	CALCULATED LBS. PER 100 FT.
100 0076	1/8	.315	.095	Std.	100	465	3.00
100 0230*	3/16	.394	.103	Std.	100, 300, 500	315	5.06
103 0309	1/4	.435	.093	Thin	100	316	5.35
100 0307	1/4	29/64	.102	Std.	100	300	6.03
102 0061	1/4	1/2	1/8	HP	100	400	7.90
100 0461	5/16	17/32	3/32	Std.	100	280	7.77
103 0540	3/8	.575	.100	Thin	100	215	8.02
100 0538	3/8	.600	.113	Std.	100, 500	230	9.26
102 0075	3/8	5/8	1/8	HP	50, 100, 300	265	10.50
103 0694	1/2	.710	.105	Thin	100	191	10.73
100 0692	1/2	.728	.114	Std.	100, 300, 500	215	11.82
102 0096	1/2	.850	.175	HP	100	258	20.00
100 0846	5/8	29/32	9/64	Std.	100, 300	200	18.17
100 0923	3/4	1.024	.137	Std.	100, 300, 500	150	20.53
102 0117	3/4	1-1/8	3/16	HP	100	233	30.00
100 1154	1	1.299	.150	Std.	100	130	29.03
102 0005	1	1-3/8	3/16	HP	100	185	37.80
100 1308	1-1/4	1.732	.241	Std.	100	110	60.70
102 0012	1-1/4	1.732	.241	HP	100	150	60.70
100 1385	1-1/2	1.929	.215	Std.	100	70	62.12
102 0019	1-1/2	1.950	.225	HP	100	90	65.50
100 1462	2	2-1/2	1/4	Std.	100	50	95.02
102 0026	2	2-1/2	1/4	HP	100	133	95.02

\*Limited stock availability; lead times and minimums may apply — call for details.

†Std. = standard; HP = high pressure.

††Add length suffix to part number when ordering. Example: 100 ft. of 1/8" I.D. x .315" O.D. is part number 100 0076-100.

Working pressures are calculated from burst testing using a 3:1 safety factor. Application testing is recommended.

**BOLD** indicates the critical dimension for fittings application.



### Custom Services

- Overbraid
- Hot Bond
- Heat-Form
- Hardness
- Cut
- Size
- Color
- More

### Recommended Fittings & Clamps

- Thermobarb® barbed fittings
- Cam operated couplings
- Oetiker® ear type clamps
- Kwik Clamp™ hose clamps
- Worm gear clamps

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**FLUITEK**  
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**Newflex**

Spiral Reinforced PVC Suction Hose

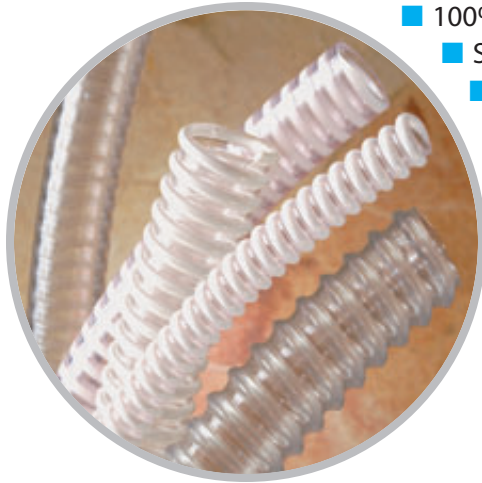


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Fluid Transfer Specialists®

## Spiral Reinforced PVC Suction Hose



- 100% PVC construction
- Spiral reinforcement made from rigid PVC to resist impact, crushing, and kinking
- Lighter than ply-wrapped rubber and other similar hoses
- Available in Food or Industrial Grades
- Food Grade made from non-toxic ingredients conforming to FDA and 3A standards
- Smooth interior produces low friction loss permitting maximum flow



### NEWFLEX FH – Standard Duty – Clear, Convoluted O.D.

PART NO. <i>FOOD GRADE</i>	ID (IN.)	OD (IN.)	WORKING PSI AT 70°F	VAC. RATE (IN./Hg.)	BEND RADIUS (IN.)	LBS. PER 100 FT.
120 0101	1	1-1/4	60	28	2	19
120 0178	1-1/4	1-5/8	50	28	3	29
120 0255	1-1/2	1-13/16	50	28	3	34
120 0332	1-3/4	2-3/32	45	28	4	40
120 0409	2	2-3/8	45	28	4	50
120 0486*	2-1/4	2-5/8	40	28	5	55
120 0563*	2-1/2	2-15/16	40	28	6	77
120 0640*	3	3-7/16	35	28	8	102
120 0717*	4	4-9/16	35	28	10	164

Standard coil length is 100 ft. Add length suffix to part number when ordering. Example: 100 ft. of 1-1/4" I.D. x 1-5/8" O.D. hose is part number 120 0178-100. Cut coils available; charges apply — call for details. Working pressures are calculated from burst testing using a 3:1 safety factor. Application testing is recommended. **BOLD** indicates the critical dimension for fittings application. \*Limited stock item; lead times and minimums may apply — call for details.

### NEWFLEX FHS – Heavy Duty – Clear or Clear with White Helix†, Smooth O.D.

PART NO. <i>FOOD GRADE</i>	PART NO. <i>INDUSTRIAL GRADE</i>	ID (IN.)	OD (IN.)	WORK. PSI AT 70°F	VAC. RATE (IN./Hg.)	BEND RADIUS (IN.)	LBS. PER 100 FT.
121 0181	123 0180	3/4	15/16	105	28	3	20
121 0258	123 0257	1	1-1/4	100	28	3	27
121 0335	123 0334	1-1/4	1-1/2	95	28	3	30
121 0412	123 0411	1-1/2	1-13/16	85	28	4	40
121 0489	123 0488	2	2-3/8	80	28	5	60
121 0566*	123 0565*	2-1/2	2-7/8	75	28	7	85
121 0643*	123 0642*	3	3-7/16	65	28	8	115
121 0797*	123 0796*	4	4-1/2	50	28	10	175

†Food Grade is all Clear; Industrial Grade has a White Helix. Standard coil length is 100 ft. Add length suffix to part number when ordering. Example: 100 ft. of 3/4" I.D. x 15/16" O.D. Food Grade hose is part number 121 0181-100. Cut coils available; charges apply — call for details. Working pressures are calculated from burst testing using a 3:1 safety factor. Application testing is recommended. **BOLD** indicates the critical dimension for fittings application. \*Limited stock item; lead times and minimums may apply — call for details.

### NEWFLEX VFH – Light Duty – Clear with White Helix, Convoluted O.D.

PART NO.	ID (IN.)	OD (IN.)	VAC. RATE (IN./Hg.)	BEND RADIUS (IN.)	LBS. PER 100 FT.
124 0176	3/8	.570	24	1/2	5
124 0253	1/2	.700	24	1/2	6
124 0330	5/8	.830	24	5/8	8
124 0407	3/4	.965	24	3/4	10
124 0484	1	1-1/4	24	1	14
124 0561	1-1/4	1-1/2	22	1	15
124 0638	1-1/2	1-13/16	20	2	20
124 0715*	2	2-3/8	18	2	34

This series has no positive pressure ratings. Increasing pressure will cause the hose to elongate and expand. If pressure is a concern, in-plant testing is advised. Standard coil length is 100 ft. Add length suffix to part number when ordering. Example: 100 ft. of 3/8" I.D. x .570" O.D. hose is part number 124 0176-100. Cut coils are available; charges apply — call for details. **BOLD** indicates the critical dimension for fittings application. \*Limited stock item; lead times and minimums may apply — call for details.

### Notes

NEWFLEX reinforced suction hose is widely used throughout industry for both positive and negative pressure applications. Its advanced design allows the use of light-weight, corrosion-resistant PVC to replace bulkier and heavier ply-wrapped rubber hose.

NEWFLEX series 'FH' and 'FHS' are clear, allowing the user to have full visual contact with the flow of material inside. The Food Grade lines are made from FDA-approved ingredients suitable for food and beverage handling. The smooth interior is easily sterilized and cleaned. Both types have a vacuum rating of 28 in./Hg.

NEWFLEX series 'VFH' is produced from a clear FDA core with an industrial grade white helix, which is not exposed to the hose I.D. It can handle light-duty pressure discharge, gravity feed, and moderate vacuum applications.

### Physical Properties\*\*

	SERIES FH & FHS	SERIES VFH
Hardness, Shore A ±5	65	70
Tensile Strength, psi	1900	2000
Elongation at Break, %	440	420
Brittle Temperature, °F	-45	-42
Max. Operating Temperature, °F	150	140

\*\*Values listed are typical for the material used in manufacture, except where noted, and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.

### Recommended Fittings & Clamps

- Cam operated couplings
- Thermobarb® barbed fittings
- Oetiker® ear type clamps
- Kwik Clamp™ nylon double bond hose clamps
- Worm gear clamps

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# Clearflo Ag-47

Clear Antimicrobial Phthalate-Free Tubing



Recommended for  **Brew Savor**  
by NewAge Industries

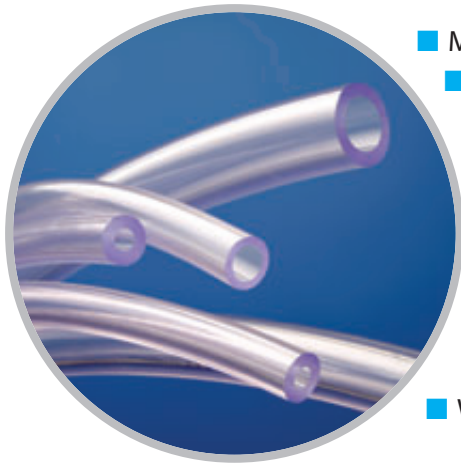
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**Fluid Transfer Specialists®**

# Clearflo® Ag-47

## Clear Antimicrobial Phthalate-Free Tubing



- Made from non-toxic ingredients conforming to FDA standards
- Free of phthalates, latex and animal-derived ingredients
- Listed by the National Sanitation Foundation (NSF-51) for food equipment materials
- Antimicrobial ingredient is throughout the tubing, not only on an inside liner as with other products
- Transparent for visual flow contact
- Contains antimicrobial technology to guard against bacteria such as E. coli, listeria, salmonella, legionella, MRSA, campylobacter and pseudomonas
- Well suited for food and beverage applications including non-fatty aqueous, milk and alcoholic beverages (up to 20% ABV; less than or equal to 8% ABV in NSF applications)
- Heat sealable
- REACH and RoHS compliant



### Notes

CLEARFLO Ag-47 is suitable for a wide variety of food contact applications and designed to protect your food or beverage product from harmful bacteria. It's manufactured from a clear flexible Shore A74 phthalate-free compound with the addition of antimicrobial protection. The antimicrobial technology is especially effective where there is intermittent use of fluids in warm or humid conditions and the tubing has no opportunity to dry thoroughly between uses.

The antimicrobial properties protect the tubing against organisms that can cause growth-based discoloration and odors. Testing has proven that the active ingredients neutralize bacteria rapidly, and because the ingredients do not dissipate with use, they can be expected to offer protection for an extended time under normal conditions. CLEARFLO Ag-47 offers antibacterial performance to ISO 22196:2011.

Unlike some products CLEARFLO Ag-47 is 100% protected with the effective additive, which is present throughout the tube and not only on a liner, for protection on all surfaces. This is important in applications where the tubing is submerged or dipped into fluid or if any surface of the tubing is cut or becomes compromised. Tubing products that only offer a liner layer of antimicrobial protection risk the liner becoming separated from the cover. If the antimicrobial layer is cut, the tubing under that cut becomes susceptible to bacteria growth. This can often happen at the fitting.

The active ingredients in CLEARFLO Ag-47 will have no detrimental effect on yeasts used for brewing.

PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	WORKING PSI AT 70°F	BEND RADIUS (IN.)	LBS. PER 100 FT.
1190014	1/8	1/4	1/16	160	.5118	1.95
1190021	1/8	3/8	1/8	242	.5512	5.19
1190035	3/16	5/16	1/16	120	.7874	2.59
1190049	3/16	7/16	1/8	190	.7874	6.48
1190112	1/4	3/8	1/16	97	1.1417	3.25
1190126	1/4	1/2	1/8	160	.9843	7.79
1190189	5/16	7/16	1/16	80	1.5354	3.89
1190203	5/16	9/16	1/8	137	1.2598	9.08
1190266	3/8	1/2	1/16	68	1.9685	4.55
1190280	3/8	5/8	1/8	120	1.5748	10.38
1190343	1/2	5/8	1/16	53	3.1102	5.85
1190357	1/2	3/4	1/8	93	2.2441	12.98
1190392	5/8	3/4	1/16	43	4.4882	7.14
1190399	5/8	7/8	1/8	77	3.1496	15.58
1190448	3/4	7/8	1/16	37	6.1024	8.44
1190455	3/4	1	1/8	67	3.9370	18.17
1190497	1	1-1/4	1/8	50	10.0394	23.37

Standard coil length is 100 ft. Add length suffix to part number when ordering.

Example: 100 ft. of 3/16" I.D. x 5/16" O.D. tubing is part number 119 0035-100.

Sold by standard coil length only.

**BOLD** indicates the critical dimension for fittings application.

### Physical Properties\*\*

Hardness, Shore A ±5	74
Operating Temperature Range, °F	-40 to 125
Operating Temperature Range, °C	-40 to 52

\*\*Values listed are typical for the material used in manufacture, except where noted, and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.

### Recommended Fittings & Clamps

- Thermobarb® plastic barbed fittings
- Stainless steel barbed fittings
- Oetiker® ear type clamps
- Kwik Clamp™ nylon double bond hose clamps
- Worm gear clamps

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