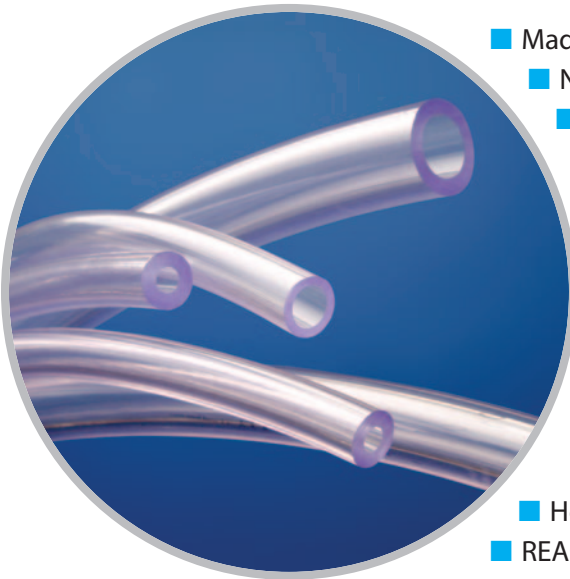


Clear Antimicrobial Non-Phthalate PVC Tubing



- Made from non-toxic ingredients conforming to FDA standards
- No phthalates, latex or animal-derived ingredients
- Listed by the National Sanitation Foundation (NSF-51) for food equipment materials
- Antimicrobial ingredient is throughout the tubing, not only on the interior 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 non-phthalate PVC 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 the interior, offering you protection on all surfaces. This is especially important in applications where the tubing is dipped into a fluid.

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	BURST PSI AT 70°F	LBS. PER 100 FT.
1190014	1/8	1/4	1/16	165	497	1.95
1190021	1/8	3/8	1/8	236	709	5.19
1190035	3/16	5/16	1/16	126	379	2.59
1190049	3/16	7/16	1/8	180	540	6.48
1190112	1/4	3/8	1/16	100	301	3.25
1190126	1/4	1/2	1/8	161	482	7.79
1190189	5/16	7/16	1/16	83	248	3.89
1190203	5/16	9/16	1/8	121	364	9.08
1190266	3/8	1/2	1/16	74	223	4.55
1190280	3/8	5/8	1/8	108	324	10.38
1190343	1/2	5/8	1/16	51	154	5.85
1190357	1/2	3/4	1/8	83	249	12.98
1190392	5/8	3/4	1/16	45	136	7.14
1190399	5/8	7/8	1/8	69	209	15.58
1190448	3/4	7/8	1/16	37	111	8.44
1190455	3/4	1	1/8	57	171	18.17
1190497	1	1-1/4	1/8	42	127	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

- Formulated to extend tubing life in fuel and oil applications
- Handles a wide variety of fuels, oils, chemicals, gases and liquids
- Mirror-smooth surfaces provide outstanding flow characteristics
- Lightweight yet tough and abrasion resistant
- As flexible as rubber
- Raw material meets UL94 HB burn rating
- BPA free
- RoHS compliant



Made in U.S.A.



PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	WORKING PSI AT 70°F	LBS. PER 100 FT.
111 0032	1/8	1/4	1/16	50	68	2.1
111 0067	3/16	5/16	1/16	100	55	2.8
111 0102	1/4	3/8	1/16	50, 100	55	3.5
111 0172	1/2	3/4	1/8	50	45	12.8

Add length suffix to part number when ordering. Example: 50 ft. of 1/8" I.D. x 1/4" O.D. tubing is part number 111 0032-50. Sold by standard coil length only. 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.

Notes

Transparent yellow CLEARFLO FUEL & OIL was created to extend the working life of PVC tubing in fuel and oil applications. Gasoline and oils harden standard PVC over periods of intermittent use, but CLEARFLO FUEL & OIL is specially formulated to prevent hardening.

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

Physical Properties**

Hardness, Shore A ±5	62
Tensile Strength, psi	1980
Elongation at Break, %	730
Brittle Temperature, °F	-20
Maximum Operating Temp., °F	175

**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

Custom Services

- **Cut**
- **Color**
- **Hot Bond®**
- **Hardness**
- **Size**
- **Overbraid**
- **Heat-Form**
- **And More**

Call for more information: **800-506-3924** or **215-526-2300**

Did you know . . . ?

Our AdvantaPure® product line addresses the **high purity needs** of the biopharm and pharmaceutical industries.