

Clearflo®

Clear PVC Tubing
Fuel & Oil Grade PVC Tubing

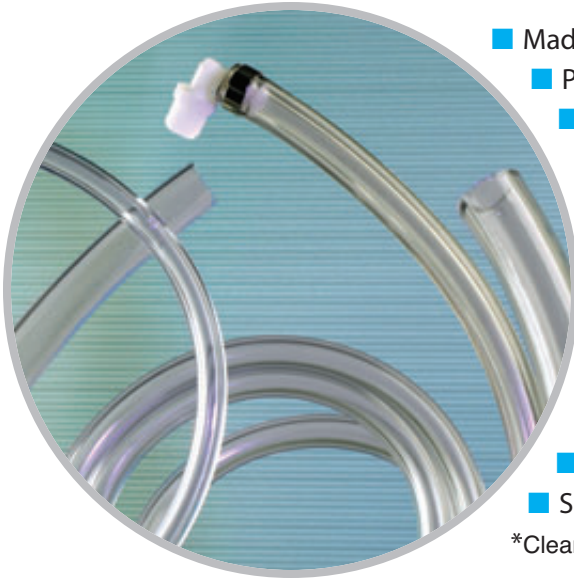


ESOP Employee Owned
for Your Benefit



Fluid Transfer Specialists®

Clear PVC Tubing



- Made from non-toxic ingredients conforming to FDA standards*
- PVC compound meets USP Class VI requirements*
- Listed by the National Sanitation Foundation (NSF-51) for food equipment materials*
- BPA free
- Glass-like clarity* with mirror-smooth surface provides outstanding flow characteristics
- Does not impart a taste or odor*
- Lightweight yet tough and abrasion resistant
- As flexible as rubber
- Handles a wide variety of chemicals, gases, and liquids
- Raw material meets UL94 HB burn rating
- Special Fuel & Oil grade available



*Clear only

Notes

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.

In clean applications, CLEARFLO's smooth surface prevents lodging of bacteria and sediment buildup. It is easily drained and flushed clean with most available cleaning and sanitizing agents. CLEARFLO may be autoclaved at 20 lbs. steam pressure for 15 minutes.

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.

Physical Properties**

	Fuel & Oil	Clear
Hardness, Shore A ± 5	62	68
Tensile Strength, psi	1980	1900
Elongation at Break, %	730	400
Brittle Temperature, °F	-20	-41
Maximum Operating Temp., °F	175	175
Max. Operating Temp. for NSF, °F	n/a	120

**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.



CLEARFLO FUEL & OIL – Transparent Yellow†

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

†Specially formulated to remain flexible when used with fuels and oils. NOT NSF LISTED; for industrial applications only.

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.

Custom Services

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

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

Clear PVC Tubing

CLEARFLO – Clear

PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	WORKING PSI AT 70°F	LBS. PER 100 FT.
110 0071	1/16	1/8	1/32	500	33	.51
110 0225	3/32	5/32	1/32	500	42	.68
110 0379	1/8	3/16	1/32	500	44	.85
110 0456	1/8	1/4	1/16	100, 500	68	2.10
110 0841	3/16	1/4	1/32	100	33	1.2
110 0918	3/16	5/16	1/16	100, 500	55	2.7
110 0995	3/16	3/8	3/32	100	70	4.6
110 1149	1/4	3/8	1/16	50, 100, 500	55	3.4
110 1226	1/4	7/16	3/32	100	60	5.7
110 1303	1/4	1/2	1/8	100	70	8.3
110 1380	5/16	7/16	1/16	100, 500	50	4.2
110 1457	5/16	1/2	3/32	100	60	6.8
110 1534	5/16	9/16	1/8	100	70	9.7
110 1611	3/8	1/2	1/16	100, 500	40	4.8
110 1688	3/8	9/16	3/32	100	50	7.8
110 1765	3/8	5/8	1/8	100	65	11.1
110 1842	3/8	3/4	3/16	100	66	18.7
110 2150	7/16	11/16	1/8	100	50	12.5
110 2227	1/2	5/8	1/16	100, 500	30	6.2
110 2304	1/2	11/16	3/32	100	40	9.9
110 2381	1/2	3/4	1/8	100	45	13.9
110 2689	9/16	3/4	3/32	100	40	11.0
110 2920	5/8	3/4	1/16	100	20	7.6
110 2997	5/8	13/16	3/32	100	35	12.0
110 3074	5/8	7/8	1/8	50, 100	40	16.6
110 3151	5/8	15/16	5/32	100	50	21.7
110 3536	3/4	7/8	1/16	100	19	9.0
110 3613	3/4	1	1/8	100	35	19.4
110 3690	3/4	1-1/16	5/32	100	40	25.1
110 3767	3/4	1-1/8	3/16	100	44	31.2
110 3844	3/4	1-1/4	1/4	100	44	44.3
110 3921	7/8	1-1/8	1/8	100	30	22.1
110 4152	1	1-1/4	1/8	100	28	25.0
110 4306	1	1-3/8	3/16	100	45	39.4
110 4383	1	1-1/2	1/4	100	50	55.0
110 4691	1-1/4	1-1/2	1/8	100	22	30.5
110 4768	1-1/4	1-5/8	3/16	100	31	47.8
110 4845	1-1/4	1-3/4	1/4	50	45	66.5
110 4999	1-1/2	1-3/4	1/8	100	19	36.0
110 5076	1-1/2	1-7/8	3/16	50, 100	26	56.1
110 5153	1-1/2	2	1/4	50	40	77.5
110 5307	1-3/4	2	1/8	50	16	41.5
110 5384	1-3/4	2-1/4	1/4	50	29	80.0
110 5461	2	2-1/4	1/8	50	14	47.1
110 5615	2	2-1/2	1/4	50	35	99.7
110 5769	2-1/4	2-3/4	1/4	50	24	111.0
110 5846	2-1/2	3	1/4	50	22	122.0
110 5923	3	3-1/2	1/4	50	19	144.0
110 6077	4	4-3/4	3/8	50	21	300.0

Add length suffix to part number when ordering. Example: 100 ft. of 1" I.D. x 1-1/4" O.D. tubing is part number 110 4152-100.

Working pressures are calculated from burst testing using a 4:1 safety factor. Application testing is recommended.

Cut coils are available from coils of 100 ft. or less; charges apply — call for details. Coils over 100 ft. are sold by standard coil length only.

BOLD indicates the critical dimension for fittings application.

Recommended Fittings & Clamps

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





Thermobarb® Plastic Plastic Barbed Fittings in Four Materials

- Precision molded in nylon-6, high density polyethylene, PVDF, polypropylene, glass-fiber reinforced nylon, or glass-fiber reinforced polypropylene
- Lightweight, compact, easy to install and disconnect
- High impact strength
- Excellent chemical resistance



Thermobarb® Brass Brass Barbed Fittings

- Formed of forged and/or machined brass
- Tapered pipe threads are made to Dryseal USA specifications
- An industrial standard — use in all general purpose applications
- May be used in potable water systems



Cam-Operated Couplings Two Plastic Materials

- Choose from nylon or polypropylene, both glass-fiber reinforced
- Much lighter weight than metal counterparts
- Electrically non-conductive
- Made to MIL-C-27487 dimensions — fully interchanged with other materials made to the same standards regardless of material

Request a PVC catalog

Inside you'll find details on all of NewAge Industries' PVC products. Catalogs for polyurethane, silicone, fluoropolymer, rubber, and semi-rigid tubing and hose are available, as well as barbed fittings and clamps, push-to-connect fittings, and custom products. Contact your NewAge Industries' sales representative or local distributor to request a copy of the catalog you need, or visit www.newageindustries.com.



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