

Celebrating Over
65 Years of
Service



Nylon has been recognized as a rugged engineering plastic since its development in the 1930s. Aimed as a substitute for metal, nylon's light weight and corrosion and abrasion resistance have made it an attractive choice.

Nylon can withstand repeated flexing over time without fatigue or fracture and is well suited for retractable coils. NYLOTUBE® also offers high impact resistance, even at subfreezing temperatures. NewAge® Industries stocks NYLOTUBE in nylon-12 formulation.

Polyethylene has long been recognized as exhibiting a high degree of inertness and is desirable for food and beverage, laboratory, and chemical processing applications where leaching or permeability present risks.

ZELITE™, NewAge's brand of polyethylene tubing, is offered in a linear low density formulation for repeated flexing and improved

stress crack resistance (over low density material). ZELITE is a standard in the food and beverage processing and pneumatic industries. Its semi-rigid nature allows it to be used with push-to-connect fittings.

Polyethylene-lined EVA tubing is a co-extruded product. It is typically applied where different performance requirements for the inside and the outside of the tube are needed (cleanliness inside, flexibility outside).

Polypropylene is the lightest of all thermoplastics available today. It offers excellent dimensional stability and electrical properties, good surface hardness and chemical resistance, and easy coloration. PROLITE® is NewAge's brand of polypropylene tubing.

In many areas where fluoropolymer tubing is typically used, polypropylene can be employed as a relatively low-cost alternative. The high-crystalline composition also makes it good for use in structural systems. Polypropylene is weldable and, when welded, can be used in non-fluid transfer applications. ■

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Applications

- Appliances ■ Automotive Fluids ■ Chemical Transfer ■ Compressed Air
- Computer Equipment ■ Conduit ■ Dispensing Equipment ■ Electronic Equipment ■ Environmental Monitoring ■ Fluid Feeds ■ Food & Beverage
- Grease Lines ■ Hospital & Laboratory Uses ■ Housewares ■ Instrumentation ■ Manufacturing Equipment ■ Paint Supply ■ Personal Care Products ■ Pharmaceutical Processing ■ Pneumatic Controls
- Pool & Spa Supply Lines ■ Potable Water Systems ■ Refrigeration & Cooling Systems ■ Semiconductor Manufacturing ■ Spacers ■ Well Pumps
- Wire Jacketing ■ More

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for Your Benefit



A Solar Powered,
Zero Landfill Company



Nylon-12 Tubing



- Very low moisture absorption: 1.4% maximum (at 73°F)
- Will not become brittle or swell because of water
- Excellent resistance to flexural fatigue, tube vibration, and movement
- Lightweight with excellent bend radii and pressure ratings
- Resists crushing, abrasion, and cracking
- Heat and light stabilized
- Free of BPA, conflict minerals, phthalates and latex
- REACH and RoHS compliant
- Available in semi-rigid or flexible grade, inch and millimeter sizes, and in colors

Notes

NYLOTUBE is resistant to most solvents, alkalis, oils, greases, petroleum products, fungi, and molds. It has generally good resistance to dilute mineral and organic acids, but in cases where NYLOTUBE is being used in critical applications or aggressive environments, in-plant tests are always recommended.

NYLOTUBE is manufactured from heat- and light-stabilized materials.

Nylon brittleness is usually caused by cycles of water absorption and depletion. NYLOTUBE is not dependent on moisture for flexibility, so life expectancy is increased and the risk of brittleness greatly reduced.

Contact us for information on nylon-11 tubing and custom coiled nylon.

Recommended Fittings

- Newloc® Acetal push-to-connect fittings
- Newloc® Brass push-to-connect fittings

Physical Properties**

	SEMI-RIGID GRADE	FLEXIBLE GRADE
Hardness, Shore D ±5	72	63
Tensile Strength, psi	>7252	>7252
Elongation at Break, %	>200	>200
Brittle Temperature, °F	-94	-94
Maximum Operating Temp., °F	230	158

**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.

Custom Services

- **Cut** ■ **Size** ■ **Color** ■ **Heat-Form** ■ **And More**

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

ESOP Employee Owned
for Your Benefit

Did you know . . . ?

Through an Employee Stock Ownership Plan (ESOP), NewAge's team members are owners of the company, and that makes **your satisfaction** an investment in our future.

Nylon-12 Tubing

NYLON-12 – Semi-rigid Grade

PART NO. <i>NATURAL</i>	PART NO. <i>BLACK</i>	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	WORKING PSI AT 70°F	BURST PSI AT 70°F	BEND RADIUS* (IN.)	LBS. PER 100 FT.
233 0580	233 0531	.095	1/8	.015	500	400	1200	3/8	.25
233 0265	233 0216	.075	1/8	.025	500	1000	3000	1/4	.35
233 1210	233 1161	.106	5/32	.025	250	730	2200	3/8	.47
233 0895	233 0846	.086	5/32	.035	250	1120	3360	1/4	.60
233 1840	233 1791	.137	3/16	.025	250	530	1600	1/2	.58
233 1525	233 1476	.107	3/16	.040	250	980	2950	3/8	.84
233 2470	233 2421††	.190	1/4	.030	100, 250	500	1500	1	.95
233 2155	233 2106	.150	1/4	.050	250	1000	3000	1/2	1.39
233 3100	233 3051	.242	5/16	.035	100	465	1400	1-1/4	1.35
233 2785	233 2736	.182	5/16	.065	100	1165	3500	7/8	2.20
233 3730	233 3681	.295	3/8	.040	100	530	1600	1-1/2	1.92
233 3415	233 3366	.225	3/8	.075	100	1180	3550	1	3.20

*Use only as a guide.

††Limited stock item; lead times and minimums may apply — call for details.

Add length suffix to part number when ordering. Example: 250 ft. of .190" I.D. x 1/4" O.D., natural color tubing is number 233 2470-250.

BOLD indicates the critical dimension for fittings application.

NYLON-12 – Flexible Grade

PART NO. <i>NATURAL</i>	PART NO. <i>BLACK</i>	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	WORKING PSI AT 70°F	BURST PSI AT 70°F	BEND RADIUS* (IN.)	LBS. PER. 100 FT.
234 0261	234 0212^^	.058	1/8	.034	100, 500	830	2500	5/16	.44
234 0576	234 0527**	.117	3/16	.035	100, 250	600	1800	3/8	.74
234 0891	234 0842	.170	1/4	.040	100, 250	450	1350	1/2	1.15
234 1521	234 1472^	1/4	3/8	1/16	100, 500	450	1350	1	2.69
234 1836	234 1787^	3/8	1/2	1/16	100, 500	330	1000	1-1/2	3.88
234 2151	234 2102	1/2	5/8	1/16	100	265	800	2-1/2	5.06
234 2466	234 2417	19/32	3/4	5/64	100	300	900	4	7.36
234 2781	234 2732	13/16	1	3/32	100	230	700	7	11.74

PART NO. <i>RED</i>	PART NO. <i>YELLOW</i>	PART NO. <i>GREEN</i>	PART NO. <i>BLUE</i>	ID (IN.)	OD (IN.)	WALL (IN.)	WORKING PSI AT 70°F	BURST PSI AT 70°F	BEND RADIUS* (IN.)	LBS. PER. 100 FT.
234 0289			234 0219	.058	1/8	.034	830	2500	5/16	.44
234 0604††	234 0625††	234 0569	234 0534††	.117	3/16	.035	600	1800	3/8	.74
234 0919	234 0940	234 0884	234 0849	.170	1/4	.040	450	1350	1/2	1.15
234 1549††	234 1570††	234 1514††	234 1479	1/4	3/8	1/16	450	1350	1	2.69
234 1864	234 1885		234 1794	3/8	1/2	1/16	330	1000	1-1/2	3.88

*Use only as a guide.

**Available in 250 ft. coils only.

^Available in 100 ft. coils only.

^^Available in 500 ft. coils only.

††Limited stock item; lead times and minimums may apply — call for details.

Red, Yellow, Green, and Blue sold by standard coil length only (100 ft.).

Add length suffix to part number when ordering. Example: 100 ft. of .058" I.D. x 1/8" O.D., red color tubing is part number 234 0289-100.

BOLD indicates the critical dimension for fittings application.

NYLON-12 – Metric Sizes, Flexible Grade

PART NO. <i>NATURAL</i>	PART NO. <i>BLACK</i>	PART NO. <i>RED</i>	PART NO. <i>YELLOW</i>	PART NO. <i>GREEN</i>	PART NO. <i>BLUE</i>	ID (MM)	OD (MM)	WALL (MM)	WORKING PSI AT 70°F	BURST PSI AT 70°F	BEND RADIUS* (MM)	LBS. PER. 100 FT.
236 0267	236 0211	236 0295	236 0309	236 0253	236 0225	2.5	4	.75	480	1450	8	.53
236 0897	236 0841	236 0925	236 0939	236 0883	236 0855	4	6	1	430	1300	13	1.06
236 1212	236 1156	236 1240	236 1254	236 1198	236 1170	6	8	1	315	950	33	1.49
236 1527	236 1471	236 1555	236 1569		236 1484	8	10	1	265	800	50	2.00
236 1842	236 1786	236 1877	236 1884††	236 1828	236 1800	9	12	1.5	300	900	45	3.32

*Use only as a guide.

††Limited stock item; lead times and minimums may apply — call for details.

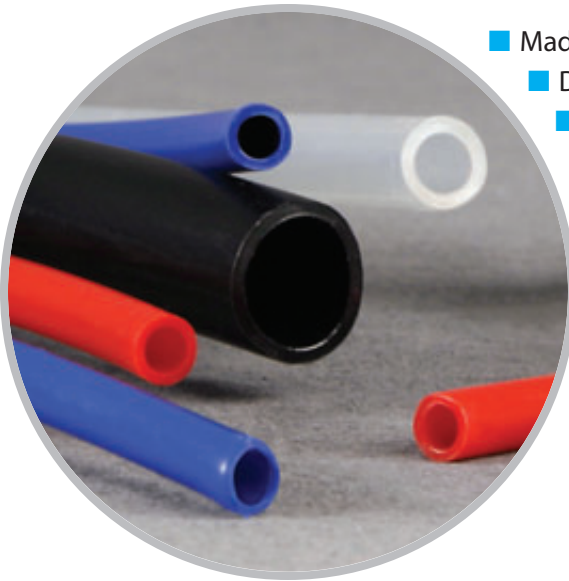
All metric size tubing sold by standard coil length only (100 ft.). Add length suffix to part number when ordering. Example: 100 ft. of 2.5mm I.D. x 4mm O.D., natural color tubing is part number 236 0267-100.

Newloc® Push-to-Connect fittings are available from stock in metric sizes.

BOLD indicates the critical dimension for fittings application.

Linear Low Density Polyethylene Tubing

- Made from non-toxic ingredients conforming to FDA standards
- Does not impart a taste or odor to critical streams
- Flexible, lightweight, durable
- Translucent natural or opaque colors
- Made from 100% virgin grade raw materials
- Good dielectric properties
- Offers enhanced resistance to stress cracking
- Chemically inert; forms a good barrier to gases, vapors, and moisture



Notes

ZELITE conforms to the applicable regulations of the FDA for use of articles intended for contact with food. The increased tensile strength of ZELITE Linear Low Density, over that of a low density polyethylene, enhances its resistance to splitting during use.

FEP-lined polyethylene, offering superior purity at a very reasonable cost, is available through minimum order. Medium-high and ultra-high density polyethylene material is available through minimum order. Call for details on these custom products.

Physical Properties**

Hardness, Shore D ±5	50
Tensile Strength, psi	2250
Elongation at Break, %	600
Brittle Temperature, °F	-76
Vicat Softening Point, °F	196
Maximum Operating Temperature, °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.

Recommended Fittings

- Newloc® Acetal push-to-connect fittings
- Newloc® Brass push-to-connect fittings

PART NO. <i>NATURAL</i>	PART NO. <i>BLACK</i>	ID (IN.)	OD (IN.)	WALL (IN.)	STD. LENGTH (FT.)	WORKING PSI AT 70°F	BURST PSI AT 70°F	LBS. PER 100 FT.
251 0571	251 0529	.170	1/4	.040	500	135	540	1.05
251 0571		.170	1/4	.040	100	135	540	1.05
251 0256	251 0214	1/8	1/4	1/16	500	180	720	1.47
251 0256		1/8	1/4	1/16	100	180	720	1.47
251 0886		3/16	5/16	1/16	500	140	560	2.0
251 0886		3/16	5/16	1/16	100	140	560	2.0
251 1201	251 1159	1/4	3/8	1/16	500	120	480	2.5
251 1201		1/4	3/8	1/16	100	120	480	2.5
251 2146	251 2104	3/8	1/2	1/16	500	90	360	3.5
251 2146		3/8	1/2	1/16	100	90	360	3.5
251 2293	251 2279	1/2	5/8	1/16	100	70	280	4.4
251 2398		5/8	3/4	1/16	100	60	240	5.4
251 2713		3/4	1	1/8	100	90	360	13.7
251 2818		7/8	1	1/16	100	45	180	7.4
251 2923		1	1-1/4	1/8	100	72	288	17.6
251 3028		1-1/4	1-1/2	1/8	50	59	236	21.5
251 3133		1-1/2	1-3/4	1/8	50	50	200	25.5

Add length suffix to part number when ordering. Example: 500 ft. of .170" I.D. x 1/4" O.D. black color tubing is part number 251 0529-500.

BOLD indicates the critical dimension for fittings application.

PART NO. <i>RED</i>	PART NO. <i>BLUE</i>	ID (IN.)	OD (IN.)	WALL (IN.)	WORKING PSI AT 70°F	BURST PSI AT 70°F	LBS. PER 100 FT.
251 0606	251 0543	.170	1/4	.040	135	540	1.05

Red and blue color tubing is sold by standard coil length only (500 ft.).

Add length suffix to part number when ordering. Example: 500 ft. of .170" I.D. x 1/4" O.D. red color tubing is part number 251 0606-500.

BOLD indicates the critical dimension for fittings application.

Custom Services

- **Cut**
- **Size**
- **Color**
- **Heat-Form**
- **And More**

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

Co-Extruded Tubing of Polyethylene & EVA

- Made from Class VI, FDA-sanctioned ingredients for use with food and beverage contact surfaces
- Natural translucent color for visual contact with the flow
- Remains flexible at temperatures from -29°F to 160°F
- Non-toxic; odorless, tasteless, and inert
- Remains pliable even after extended contact with alcohol
- Good weatherability properties — resists gases and moisture
- Low friction coefficient and good general chemical resistance



Made in U.S.A.



PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	WORKING PSI AT 70°F	BURST PSI AT 70°F	LBS. PER 100 FT.
410 0047*	1/8	3/16	1/32	43	129	.62
410 0075	1/8	1/4	1/16	71	213	1.51
410 0327	1/2	3/4	1/8	50	150	10.00
410 0495	1	1-1/4	1/8	28	84	17.96

*Limited stock availability; lead times and minimums may apply — call for details. Sold by standard coil length only (50 ft.). Add length suffix to part number when ordering. Example: 50 ft. of 1/8" ID x 1/4" OD tubing is part number 410 0075-50. **BOLD** indicates the critical dimension for fittings application.

Notes

PE-LINED EVA (Ethylene Vinyl Acetate) tubing is designed for use where cleanliness and flexibility are required. It offers good general chemical resistance and non-toxicity. A co-extruded product, PE-LINED EVA is made of a low density polyethylene liner with an EVA outer jacket. It is manufactured in a patented process (Patent No. 4061461) to ensure the highest bond quality possible.

PE-LINED EVA tubing meets Class VI requirements and is suitable for use in poultry and meat processing. PE-LINED EVA also meets or exceeds standards in National Formulary, Vol. 14 for containers for injectables (plastics).

For working temperatures up to 180°F and greater stress resistance, ask about irradiated PE-LINED EVA tubing.

Recommended Fittings & Clamps

- Newloc® Acetal push-to-connect fittings
- Newloc® Brass push-to-connect fittings
- Thermobarb® barbed fittings
- Oetiker® ear type clamps
- Kwik Clamp™ nylon double bond hose clamps
- Worm gear clamps

Custom Services

- **Cut** ■ **Overbraid**
- **Size** ■ **And More**

Call for more information
800-506-3924

Physical Properties**

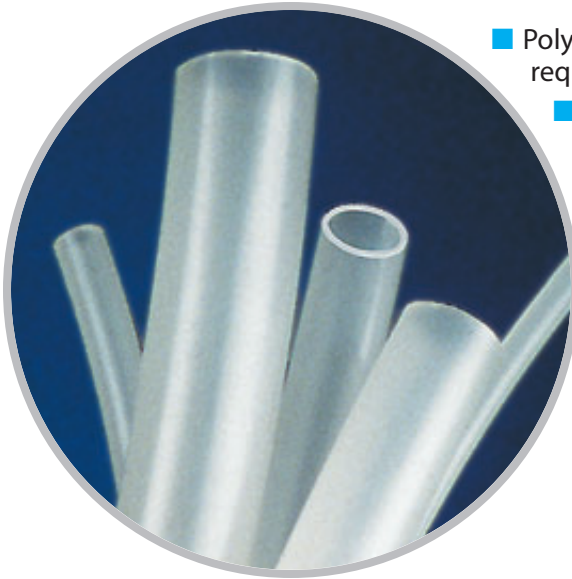
	PE Core	EVA Cover
Hardness, Shore D	50	
Hardness, Shore A		80
Tensile Strength, psi	2100	1500
Elongation at Break, %	550	750
Brittle Temperature, °F	-29	-159
Max. Operating Temp., °F	160	160
Color	Translucent	Translucent

**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.

Did you know ... ?

Our **order accuracy rate is 97%**. We take a number of steps to manufacture and ship your order correctly the first time.

Polypropylene Tubing



- Polypropylene homopolymer made from ingredients that meet FDA requirements for food contact surfaces
- Animal-free ingredients
 - No phthalates used in the manufacture of its ingredients
 - Extremely lightweight, thermoformable and weldable
 - Very low moisture absorption
 - Excellent chemical resistance
 - Naturally translucent white in appearance
 - May be used as a lower-cost alternative to fluoropolymer tubing



Notes

PROLITE is made from a compound that exhibits good heat aging resistance. It meets the FDA requirements for the safe use of olefin polymers used to make articles intended for food contact per FDA 21 CFR 177.1520.

PROLITE is frequently used in food processing and other industries for clean applications. It is a naturally white, semi-rigid product offering limited ability to bend. Since it is weldable, PROLITE may be joined directly, although it is typically joined by means of a push-to-connect fitting such as Newloc®.

Polypropylene is the lightest of all thermoplastic materials. It offers high strength-to-weight ratio, low surface friction, and excellent resistance to corrosion.

Physical Properties**

Tensile Strength, psi	4900
Elongation at Break, %	13
Max. Operating Temp., °F	125

**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

- Newloc® Acetal push-to-connect fittings
- Newloc® Brass push-to-connect fittings

Custom Services

■ Size

Call for more information:

800-506-3924 or 215-526-2300

PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	WORKING PSI AT 70°F
448 0070	1/8	1/4	1/16	100	250
448 0147	.170	1/4	.040	100	149
448 0224	3/16	5/16	1/16	100	196
448 0301	1/4	3/8	1/16	100	157
448 0378	3/8	1/2	1/16	100	112
448 0455	1/2	5/8	1/16	100	87
448 0609	5/8	3/4	1/16	100	71
448 0651	3/4	1	1/8	50	109
448 0840*	1	1-1/4	1/8	50	87

*Limited stock item; lead times and minimums may apply — call for details.
 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 448 0224-100.
 Sizes larger than 1-1/4" O.D. are available — call for details.
 Due to the coil diameter, some larger sizes must ship via truck.
BOLD indicates the critical dimension for fittings application.

Did you know . . . ?

Our rate of return due to product quality is 0.25%, **less than 1/3** of the industry average.



Newloc® Acetal Plastic Push-to-Connect Fittings

- Extremely easy to install — no tools necessary
- No flow restrictions
- Made from tough, lightweight, FDA-sanctioned materials
- Available in Fractional and Metric sizes
- Genuine John Guest brand fittings



Newloc Brass Brass Push-to-Connect Fittings

- Made of durable brass — elbows and tees are forged
- No flow restrictions
- Much higher temperature/pressure ratings than that of plastic
- All male pipe threads come with a pre-applied fluoropolymer sealant
- Easy to disconnect and reuse

Don't forget about Cutting Tools

- Two sizes: one for tubing up to 1-1/2" O.D. (pictured); another for sizes to 5/8" O.D.
- Both cut semi-rigid or soft tubing materials quickly and cleanly
- Lightweight, compact and durable
- Replaceable blade on larger size



99.6% Order Accuracy

We know how important order accuracy is to you.

That's why we take a number of steps to manufacture and ship your order correctly the first time. From acknowledging and confirming orders, to product quality verification, to the careful examination of custom orders, we do our best to ensure that your order ships accurately.



More NewAge Industries Products

Tube & Hose

PVC
Polyurethane
Silicone
Fluoropolymer
Nylon
Polyethylene
Polypropylene
TPR
Viton™
Latex
Hytrel®

Custom Services



Cut
Size
Color
Coil
Over-braid
Heat Form

Hot Bond®
Assemblies

Hardness
More



Fittings & Clamps for Semi-Rigid Tubing

Newloc® Acetal - NSF-listed, plastic push-to-connect fittings. Sizes for 1/8" to 1/2" O.D. tubing and 4mm to 12mm O.D. tubing in 24 styles.

Newloc® Brass - Brass push-to-connect fittings. Sizes for 1/8" to 1/2" O.D. tubing in 29 styles.

Thermobarb® Plastic - Precision molded barbed fittings in nylon-6, high density polyethylene, PVDF, polypropylene, reinforced nylon, or reinforced polypropylene. Sizes for 1/8" to 1" I.D. tubing in 15 styles.

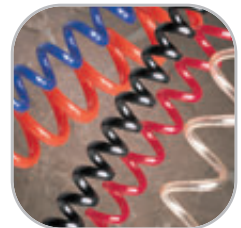
Thermobarb® Brass - Durable brass barbed fittings. Sizes for 1/8" to 1" I.D. tubing in 10 styles.

Oetiker® Ear Type Clamps - Stainless steel or zinc-plated carbon steel clamps with a unique breathable design. 35 sizes from 5/32" to 1-9/16" in 3 styles.

Kwik Clamp™ - Nylon double-bond hose clamps. 31 sizes from 1/4" to 4-1/4" nominal O.D.

Worm Gear Clamps - Stainless steel worm screw clamps. 28 sizes from 3/8" to 6" in 6 styles.

Tubing & Hose Cutting Tools



AdvantaPURE®
NEWAGE INDUSTRIES

High Purity Tubing & Hose

Sanitary tubing, hose, fittings, assemblies, and molded components from our AdvantaPure division meet the needs of the pharmaceutical, biotech, food and beverage, dairy, cosmetics and fragrances, and chemical industries, as well as other sanitary applications. AdvantaPure products are available through a network of select distributors. www.advantapure.com



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