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.

Applications

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

Sign up for our eNewsletter at www.newageindustries.com/extrusions
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, alkalies, 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**

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<thead>
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**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.

Meet Some of NewAge Industries’ Owners

Through an Employee Stock Ownership Plan (ESOP), we’re owners of the company, and that makes your satisfaction an investment in our future.

ESOP Employee Owned For Your Benefit

Brian Huff
Territory Sales Rep./Owner 8 years

Mike Allard
Executive Director of Sales & Marketing/Owner / 9 years

Jotham Fernandez
Quality Inspector/Owner 1 year

Chany Kim
Silicone Molding/Owner 2 years

Ann Phy
Marketing Coord./Ad Mgr./Owner 30 years

Marco Ramos
Warehouse/Owner 2 years

Jun Abrenica
Silicone Manufacturing/Owner 1 year

Meet Some of NewAge Industries’ Owners

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

www.newageindustries.com
**NYLON-12 – Semi-rigid Grade**

<table>
<thead>
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<th>PART NO.</th>
<th>PART NO.</th>
<th>ID (IN.)</th>
<th>OD (IN.)</th>
<th>WALL (IN.)</th>
<th>STANDARD LENGTH (FT.)</th>
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<th>BURST PSI AT 70°F</th>
<th>BEND RADIUS* (IN.)</th>
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<td>.125</td>
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<td>730</td>
<td>2200</td>
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*Use only as a guide.
††Limited stock item; lead times and minimums may apply — call for details.

**NYLON-12 – Flexible Grade**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>PART NO.</th>
<th>ID (IN.)</th>
<th>OD (IN.)</th>
<th>WALL (IN.)</th>
<th>STANDARD LENGTH (FT.)</th>
<th>WORKING PSI AT 70°F</th>
<th>BURST PSI AT 70°F</th>
<th>BEND RADIUS* (IN.)</th>
<th>LBS. PER 100 FT.</th>
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<td>234 0212**</td>
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<td>1.15</td>
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*Use only as a guide.
**Available in 250 ft. coils only.
††Available in 50 ft. coils only.

**NYLON-12 – Metric Sizes, Flexible Grade**

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<th>PART NO.</th>
<th>PART NO.</th>
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<th>OD (MM)</th>
<th>WALL (MM)</th>
<th>STANDARD LENGTH (FT.)</th>
<th>WORKING PSI AT 70°F</th>
<th>BURST PSI AT 70°F</th>
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<td>9</td>
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<td>900</td>
<td>3.32</td>
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</table>

*Use only as a guide.
††Limited stock item; lead times and minimums may apply — call for details.

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

BOLD indicates the critical dimension for fittings application.

www.newageindustries.com
Zelite™ 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**

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<tr>
<th>PART NO.</th>
<th>PART NO.</th>
<th>ID (IN.)</th>
<th>OD (IN.)</th>
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<td>251 0214</td>
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<td>720</td>
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<td>251 0214</td>
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<td>50</td>
<td>200</td>
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</tbody>
</table>

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.

Recommended Fittings

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

Custom Services

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

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

www.newageindustries.com
Polyethylene-Lined EVA

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

Polyethylene-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.

Physical Properties**

<table>
<thead>
<tr>
<th></th>
<th>PE Core</th>
<th>EVA Cover</th>
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<td>Hardness, Shore A</td>
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<td>Tensile Strength, psi</td>
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</tr>
<tr>
<td>Elongation at Break, %</td>
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<td>750</td>
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<tr>
<td>Brittle Temperature, °F</td>
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<td>-159</td>
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<tr>
<td>Max. Operating Temp., °F</td>
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<td>160</td>
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<tr>
<td>Color</td>
<td>Translucent</td>
<td>Translucent</td>
</tr>
</tbody>
</table>

**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
- 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

ESOP Employee Owned For Your Benefit

More NewAge Industries’ Owners

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.

Kim Mitchell
Territory Sales Rep./Owner
1 year

Wanda Mason
HR & Benefits Assistant/Owner
4 years

Ngor Oubkaly
Silicone Molding/Owner
1 year

Zack Jarrett
Environmental Monitoring Tech./Owner/1 year

Arlene Kintz
Silicone Molding/Owner
2 years

Ken Baker
CEO/Owner
35 years

Massi Hamga
Silicone Manufacturing/Owner
1 year

Zack Jarrett
Environmental Monitoring Tech./Owner/1 year

Arlene Kintz
Silicone Molding/Owner
2 years

Ken Baker
CEO/Owner
35 years

Massi Hamga
Silicone Manufacturing/Owner
1 year

www.newageindustries.com
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**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>ID (IN.)</th>
<th>OD (IN.)</th>
<th>WALL (IN.)</th>
<th>STANDARD LENGTH (FT.)</th>
<th>WORKING PSI AT 70°F</th>
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<tbody>
<tr>
<td>448 0070</td>
<td>1/8</td>
<td>1/4</td>
<td>1/16</td>
<td>100</td>
<td>250</td>
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<tr>
<td>448 0147</td>
<td>.170</td>
<td>1/4</td>
<td>.040</td>
<td>100</td>
<td>149</td>
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<tr>
<td>448 0224</td>
<td>3/16</td>
<td>5/16</td>
<td>1/16</td>
<td>100</td>
<td>196</td>
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<tr>
<td>448 0301</td>
<td>1/4</td>
<td>3/8</td>
<td>1/16</td>
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<td>157</td>
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<td>1/16</td>
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<td>109</td>
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<tr>
<td>448 0840*</td>
<td>1</td>
<td>1-1/4</td>
<td>1/8</td>
<td>50</td>
<td>87</td>
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</tbody>
</table>

*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.

More NewAge Industries’ Owners

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

ESOP Employee Owned for Your Benefit

Gregg Donovan
Product Manager/Owner
32 years

Gregg Donovan
Product Manager/Owner
32 years

Jeney Kim
Silicone Molding/Owner
1 year

Jeney Kim
Silicone Molding/Owner
1 year

Jordie Sussman
Jr. Systems Administrator/Owner
3 years

Jordie Sussman
Jr. Systems Administrator/Owner
3 years

Sonja McClennen
Regulatory Compliance Manager/Owner
6 years

Sonja McClennen
Regulatory Compliance Manager/Owner
6 years

Sean Thompson
Drafting & Design Technician/Owner
1 year

Sean Thompson
Drafting & Design Technician/Owner
1 year

Sokhorn Teng
Quality Inspector/Owner
3 years

Sokhorn Teng
Quality Inspector/Owner
3 years

Ray Nhean
Silicone Manufacturing/Owner
1 year

Ray Nhean
Silicone Manufacturing/Owner
1 year

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**Recommended fittings**

**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 5/8” O.D.; another for sizes to 1-1/2” O.D.
- Both cut semi-rigid or soft tubing materials quickly and cleanly
- Lightweight, compact and durable
- Replaceable blade on larger size

**Dedicated to Product Quality**

*We know how important product quality is to you.* That’s why our quality assurance programs are continually monitored and updated. In fact, our process resembles the ISO 9001:2015 certified system used in the manufacture of our high purity AdvantaPure® products.

**ESOP** Employee Owned for Your Benefit

- Chanthan Cheng  Silicone Manufacturing/Owner 4 years
- Eileen Smith  Corporate Recruiter/Owner 1 year
- Bunthoeun Sor  Silicone Manufacturing/Owner 11 years
- Charles Walker  Silicone Manufacturing/Owner 1 year
- Bryan Cassiday  Custom Solutions Engineer/Owner 3 years
- Tiffany Thon  Silicone Molding/Owner 1 year
- Gus Gonzalez  Sales Support Specialist/Owner 9 years

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**More NewAge Industries Products**

### Tubing & 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

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**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](http://www.advantapure.com)

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