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 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
- Pneumatic Controls
- Pool & Spa Supply Lines
- Potable Water Systems
- Refrigeration & Cooling Systems
- Semiconductor Manufacturing
- Spacers
- Well Pumps
- Wire Jacketing
- More

ESOP Employee Owned 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, 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**

<table>
<thead>
<tr>
<th></th>
<th>SEMI-RIGID</th>
<th>FLEXIBLE</th>
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</thead>
<tbody>
<tr>
<td>Hardness, Shore D ±5</td>
<td>72</td>
<td>63</td>
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<tr>
<td>Tensile Strength, psi</td>
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<td>&gt;7252</td>
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<tr>
<td>Elongation at Break, %</td>
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<td>Brittle Temperature, °F</td>
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<td>-94</td>
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<tr>
<td>Maximum Operating Temp., °F</td>
<td>230</td>
<td>158</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.**

**Custom Services**

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

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

**ESOP**

**Employees 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

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>PART NO. BLACK</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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</thead>
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<td>2500</td>
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<td>5/16</td>
<td>1200</td>
<td>3/8</td>
</tr>
</tbody>
</table>

*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: 100 ft. of .190” I.D. x 1/4” O.D., natural color tubing is part number 233 2470-100.

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

#### NYLON-12 – Flexible Grade

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>PART NO. BLACK</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>
</tr>
</thead>
<tbody>
<tr>
<td>234 0261</td>
<td>234 0212^**</td>
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<td>.08</td>
<td>.034</td>
<td>100</td>
<td>2500</td>
<td>5/16</td>
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<td>3/8</td>
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<tr>
<td>234 0576</td>
<td>234 0527**</td>
<td>.117</td>
<td>.16</td>
<td>.035</td>
<td>100</td>
<td>2500</td>
<td>5/16</td>
<td>1200</td>
<td>3/8</td>
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<td>234 0842</td>
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<td>.040</td>
<td>100</td>
<td>2500</td>
<td>5/16</td>
<td>1200</td>
<td>3/8</td>
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<tr>
<td>234 1521</td>
<td>234 1472^</td>
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<td>3/8</td>
<td>1/16</td>
<td>100</td>
<td>2500</td>
<td>5/16</td>
<td>1200</td>
<td>3/8</td>
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<td>234 1836</td>
<td>234 1878^</td>
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<td>1/2</td>
<td>1/16</td>
<td>100</td>
<td>2500</td>
<td>5/16</td>
<td>1200</td>
<td>3/8</td>
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<td>234 2102</td>
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<td>2500</td>
<td>5/16</td>
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<td>2500</td>
<td>5/16</td>
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<td>234 2781</td>
<td>234 2732</td>
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<td>3/4</td>
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<td>100</td>
<td>2500</td>
<td>5/16</td>
<td>1200</td>
<td>3/8</td>
</tr>
</tbody>
</table>

*Use only as a guide.
**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

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>PART NO. BLACK</th>
<th>PART NO. RED</th>
<th>PART NO. YELLOW</th>
<th>PART NO. GREEN</th>
<th>PART NO. BLUE</th>
<th>ID (MM)</th>
<th>OD (MM)</th>
<th>WALL (MM)</th>
<th>WORKING PSI AT 70°F</th>
<th>BURST PSI AT 70°F</th>
<th>BEND RADIUS* (MM)</th>
<th>LBS. PER 100 FT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>236 0267</td>
<td>236 0211</td>
<td>236 0295</td>
<td>236 0309</td>
<td>236 0253</td>
<td>236 0225</td>
<td>2.5</td>
<td>4</td>
<td>.75</td>
<td>480</td>
<td>1450</td>
<td>8</td>
<td>5.5</td>
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<td>236 0897</td>
<td>236 0841</td>
<td>236 0925</td>
<td>236 0939</td>
<td>236 0883</td>
<td>236 0855</td>
<td>4</td>
<td>6</td>
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<td>13</td>
<td>1.06</td>
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<tr>
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<td>236 1198</td>
<td>236 1170</td>
<td>6</td>
<td>8</td>
<td>1</td>
<td>315</td>
<td>950</td>
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<td>236 1471</td>
<td>236 1555</td>
<td>236 1569</td>
<td>236 1484</td>
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<td>8</td>
<td>10</td>
<td>1</td>
<td>265</td>
<td>800</td>
<td>50</td>
<td>2.00</td>
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<td>236 1786</td>
<td>236 1877</td>
<td>236 1884††</td>
<td>236 1828</td>
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<td>9</td>
<td>12</td>
<td>1.5</td>
<td>300</td>
<td>900</td>
<td>45</td>
<td>3.32</td>
</tr>
</tbody>
</table>

*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**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>PART NO.</th>
<th>ID (IN.)</th>
<th>OD (IN.)</th>
<th>WALL (IN.)</th>
<th>STD. LENGTH (FT.)</th>
<th>WORKING PSI AT 70°F</th>
<th>BURST PSI AT 70°F</th>
<th>LBS. PER 100 FT.</th>
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<tbody>
<tr>
<td>NATURAL</td>
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<td>.040</td>
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<td>135</td>
<td>540</td>
<td>1.05</td>
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<tr>
<td>251 0256</td>
<td>251 0214</td>
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<td>1/4</td>
<td>1/16</td>
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<td>720</td>
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<td>1/16</td>
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<td>90</td>
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<td>200</td>
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</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.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>PART NO.</th>
<th>ID (IN.)</th>
<th>OD (IN.)</th>
<th>WALL (IN.)</th>
<th>STD. LENGTH (FT.)</th>
<th>WORKING PSI AT 70°F</th>
<th>BURST PSI AT 70°F</th>
<th>LBS. PER 100 FT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED</td>
<td>BLUE</td>
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<td>1.05</td>
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<td>.040</td>
<td>135</td>
<td>540</td>
<td>1.05</td>
<td></td>
</tr>
</tbody>
</table>

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.

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
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

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.

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

### Physical Properties**

<table>
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<tr>
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<th>EVA</th>
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<td>Cover</td>
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<tr>
<td>Hardness, Shore A</td>
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<tr>
<td>Tensile Strength, psi</td>
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<td>Brittle Temperature, °F</td>
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<tr>
<td>Max. Operating Temp., °F</td>
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<tr>
<td>Color</td>
<td>Translucent</td>
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</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

---

**Notes**

*Limited stock availability; lead times and minimums may apply. 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.

---

**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 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

**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>.4</td>
<td>.040</td>
<td>100</td>
<td>149</td>
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<tr>
<td>448 0224</td>
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<td>5/16</td>
<td>1/16</td>
<td>100</td>
<td>196</td>
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<td>448 0301</td>
<td>1/4</td>
<td>3/8</td>
<td>1/16</td>
<td>100</td>
<td>157</td>
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<td>448 0378</td>
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<td>1/16</td>
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<td>448 0455</td>
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<td>1/16</td>
<td>100</td>
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<td>1/8</td>
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<td>448 0840*</td>
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<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.

**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.

**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

www.newageindustries.com
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 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.

www.newageindustries.com
More NewAge Industries Products

**Tubing & Hose**

- PVC
- Polyurethane
- Silicone
- Fluoropolymer
- Nylon
- Polyethylene
- Polypropylene

**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.

**Custom Services**

- Cut
- Size
- Color
- Coil
- Overbraid
- Heat Form
- Assemblies
- Hardness
- More

**AdvantaPure®**

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)

**Tubing & Hose Cutting Tools**

**High Purity Tubing & Hose**

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