Although no plastic tubing product can universally handle all applications, the PVC family of products offered by NewAge® Industries covers one of the widest ranges of applications serviced by any one type of plastic material.

Flexible PVC tubing offers a broad range of chemical and corrosion resistance, excellent abrasion and wear resistance, rubber-like flexibility, visual contact with the flow (available with clear styles), and outstanding flow characteristics. These features, along with various construction options offered (wire or braid reinforcement, rigid pipe, unreinforced) and the different formulations available (antimicrobial, fuel and oil, 3-A, FDA, NSF), make PVC attractive for so many applications. These include general industrial, food, beverages, pharmaceutical and medical, chemicals, fuels, oils, and mechanical applications including protective coverings and insulation sleeving.

Stocked PVC products are supplemented with the capability to have a product custom made to fit your exact requirements. Most of NewAge Industries’ PVC tubing can be produced in custom sizes, colors, and shapes, and can be cut, printed, or thermally bonded.

**Applications**

- Agriculture
- Air & Gas Lines
- Air Sampling
- Appliances
- Beverage Transfer
- Chemical Processing & Transfer
- Conduit
- Dairy Processing
- Electroplating
- Environmental Suits
- Filters
- Floor Cleaning
- Equipment
- Food & Syrup Handling
- Fuel & Oil Lines
- General Water Suction & Discharge
- Hopper Feeders
- Hospitals
- Hydraulics & Pneumatics
- Instrumentation
- Irrigation Systems
- Laboratory & Research
- Material Handling
- Medical Appliance Components
- Mining
- Pumps
- Mold Coolant Lines
- Pharmaceutical Manufacture
- Photofinishing
- Pneumatic Conveying Systems
- Pools & Spas
- Potable Water
- Protective Jacketing
- Pump Feed & Discharge
- Refrigeration & Cooling Systems
- Shop Air Supply
- Sight Gauges
- Slurry Handling
- Spray Systems
- Thermal Protection
- Vacuum Lines
- Vending Machines
- Water & Fluid Lines
- Welding
- Gases
- Wet or Dry Food Processing
- More

Sign up for our eNewsletter at [www.newageindustries.com/extrusions](http://www.newageindustries.com/extrusions)
Nylobrade®

Clear Braid Reinforced PVC Hose

- Open mesh polyester braiding permanently encapsulated in walls of clear, flexible PVC tubing
- Listed by the National Sanitation Foundation for food equipment materials (NSF-51) and potable water (NSF-61)
- Raw materials meet California Proposition 65 and are free of DEHP and BPA
- Non-toxic raw materials conform to USP Class VI and FDA standards
- Offers far higher pressure capabilities than unreinforced PVC tubing
- Mirror smooth interior permits outstanding flow characteristics
- Crystal clear for full visual flow*
- Corrosion and abrasion resistant with flexibility similar to rubber but with much longer life
- REACH and RoHS compliant

*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.

Notes

NYLOBRADE is made from non-toxic ingredients selected from those sanctioned by the Food and Drug Administration (FDA) for use in food contact applications. Its NSF certification makes NYLOBRADE a good choice for drinking water applications, those involving water at temperatures up to 60°C (140°F), and food processing applications.

NYLOBRADE is generally unaffected by most oxidizing and reducing agents. Diluted acids and alkalies have little effect, though if highly concentrated tend to make the hose less pliable. If chemical resistance is in question, in-plant tests are suggested.

Gasoline and oils will harden PVC over periods of intermittent use. In these applications, continuous use will slow the hardening process.

NYLOBRADE HP (High Pressure) sizes 3/8” I.D. and up have a tighter braid pattern and therefore reduce the visual flow contact and increase the hose’s resistance to bending and flexing. Heavier walls on similar I.D.s will be more resistant to kinking.

Physical Properties**

<table>
<thead>
<tr>
<th>ID (IN.)</th>
<th>OD (IN.)</th>
<th>WALL (IN.)</th>
<th>WALL TYPE</th>
<th>STANDARD LENGTH (FT.)</th>
<th>WORKING PSI AT 70°F</th>
<th>CALCULATED LBS. PER 100 FT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8</td>
<td>.315</td>
<td>.095</td>
<td>Std.</td>
<td>100</td>
<td>465</td>
<td>3.00</td>
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<tr>
<td>3/16</td>
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<td>Std.</td>
<td>100, 500</td>
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<td>.093</td>
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<td>5.35</td>
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<td>.102</td>
<td>Std.</td>
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<td>300</td>
<td>6.03</td>
</tr>
<tr>
<td>1/2</td>
<td>.5/8</td>
<td>1/8</td>
<td>HP</td>
<td>100</td>
<td>400</td>
<td>7.90</td>
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<tr>
<td>3/8</td>
<td>.600</td>
<td>.113</td>
<td>Std.</td>
<td>100, 500</td>
<td>230</td>
<td>9.26</td>
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<tr>
<td>3/8</td>
<td>5/8</td>
<td>1/8</td>
<td>HP</td>
<td>50, 100</td>
<td>265</td>
<td>10.50</td>
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<tr>
<td>1/2</td>
<td>.710</td>
<td>.105</td>
<td>Thin</td>
<td>100</td>
<td>191</td>
<td>10.73</td>
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<td>.114</td>
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<td>11.82</td>
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<tr>
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<td>.175</td>
<td>HP</td>
<td>100</td>
<td>258</td>
<td>20.00</td>
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<tr>
<td>5/8</td>
<td>29/32</td>
<td>9/64</td>
<td>Std.</td>
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<td>18.17</td>
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<tr>
<td>3/4</td>
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<td>.137</td>
<td>Std.</td>
<td>100, 150, 500</td>
<td>150</td>
<td>20.53</td>
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<tr>
<td>3/4</td>
<td>1-1/8</td>
<td>3/16</td>
<td>HP</td>
<td>100</td>
<td>233</td>
<td>30.00</td>
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<tr>
<td>1</td>
<td>1.299</td>
<td>.150</td>
<td>Std.</td>
<td>100</td>
<td>130</td>
<td>29.03</td>
</tr>
<tr>
<td>1</td>
<td>1-3/8</td>
<td>3/16</td>
<td>HP</td>
<td>100</td>
<td>185</td>
<td>37.80</td>
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<tr>
<td>1-1/4</td>
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<td>Std.</td>
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<td>110</td>
<td>60.70</td>
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<td>1-1/4</td>
<td>1.732</td>
<td>.241</td>
<td>HP</td>
<td>100</td>
<td>150</td>
<td>60.70</td>
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<tr>
<td>1-1/2</td>
<td>1.929</td>
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<td>70</td>
<td>62.12</td>
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<td>HP</td>
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<td>90</td>
<td>65.50</td>
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<td>2-1/2</td>
<td>1/4</td>
<td>HP</td>
<td>100</td>
<td>50</td>
<td>95.02</td>
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<tr>
<td>2</td>
<td>2-1/2</td>
<td>1/4</td>
<td>HP</td>
<td>100</td>
<td>133</td>
<td>95.02</td>
</tr>
</tbody>
</table>

1 Std. = standard; HP = high pressure.

Recommended Fittings & Clamps

- Thermobarb® barbed fittings
- Cam operated couplings
- 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
Spiral steel wire reinforcement incorporated within the wall of flexible PVC tubing
Made from non-toxic ingredients conforming to FDA standards
Kink and crush resistant
Handles pressure and full vacuum (29.9 in./Hg.) applications
Glass-like clarity with mirror-smooth surfaces provide outstanding visual flow characteristics
Lightweight (compared to rubber hoses) yet tough and abrasion resistant

VARDEX, with its steel wire reinforcement coil, is specially suited for applications where resistance to kinking is of primary importance. A proprietary construction technique employed during the manufacture of VARDEX permits full vacuum capabilities (29.9 in./Hg.) for all sizes without hose collapse.

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

Meet Some of NewAge Industries’ Owners

Borin Ouch
Silicone Manufacturing/Owner
1 year

Mary Vander Neut
Finance Director/Owner
15 years

Richard Mims
Silicone Manufacturing/Owner
1 year

Stephen McDevitt
Inside Sales Mgr./Owner
15 years

Kyle Murphy
Manufacturing Engineer/Owner
4 years

Srey Heng
Silicone Molding/Owner
5 years

Notes

VARDEX is imprinted with the trademarked name.

Physical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness, Shore A ±5</td>
<td>73</td>
</tr>
<tr>
<td>Tensile Strength, psi</td>
<td>2100</td>
</tr>
<tr>
<td>Elongation at Break, %</td>
<td>270</td>
</tr>
<tr>
<td>Brittle Temperature, °F</td>
<td>23</td>
</tr>
<tr>
<td>Maximum Operating Temperature, °F</td>
<td>150</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

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

- 100% PVC construction
- Spiral reinforcement made from rigid PVC to resist impact, crushing, and kinking
- Lighter than ply-wrapped rubber and other similar hoses
- Available in Food or Industrial Grades
- Food Grade made from non-toxic ingredients conforming to FDA and 3A standards
- Smooth interior produces low friction loss permitting maximum flow

Notes

NEWFLEX reinforced suction hose is widely used throughout industry for both positive and negative pressure applications. Its advanced design allows the use of lightweight, corrosion-resistant PVC to replace bulkier and heavier ply-wrapped rubber hose.

NEWFLEX series ‘FH’ and ‘FHS’ are clear, allowing the user to have full visual contact with the flow of material inside. The Food Grade lines are made from FDA-approved ingredients suitable for food and beverage handling. The smooth interior is easily sterilized and cleaned. Both types have a vacuum rating of 28 in./Hg.

NEWFLEX series ‘VFH’ is produced from a clear FDA core with an industrial grade white helix, which is not exposed to the hose I.D. It can handle light-duty pressure discharge, gravity feed, and moderate vacuum applications.

Physical Properties**

<table>
<thead>
<tr>
<th>SERIES</th>
<th>FH &amp; FHS</th>
<th>VFH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness, Shore A ±5</td>
<td>65</td>
<td>70</td>
</tr>
<tr>
<td>Tensile Strength, psi</td>
<td>1900</td>
<td>2000</td>
</tr>
<tr>
<td>Elongation at Break, %</td>
<td>440</td>
<td>420</td>
</tr>
<tr>
<td>Brittle Temperature, ºF</td>
<td>-45</td>
<td>-42</td>
</tr>
<tr>
<td>Max. Operating Temperature, ºF</td>
<td>150</td>
<td>140</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

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

Recommended Fittings & Clamps

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

More NewAge Industries’ Owners

Did you know . . . ?

D&B® has awarded NewAge with a 4A1 credit rating, the highest attainable rating for a company our size.

Michael Tangreti
Director of Marketing/Owner
14 years

Julia Maurer
Technical Sales Rep./Owner
1 year

Nang Chhoeung
Plastic Manufacturing Supv./Owner
19 years

Andre Cooley
Silicone Manufacturing/Owner
2 years

Yelena Yakovlev
Programmer/Owner
8 years

Elvin Naranjo
Warehouse/Owner
2 years

ESOP Employee Owned for Your Benefit
# Spiral Reinforced PVC Suction Hose

## NEWFLEX FH – Standard Duty – Clear, Convoluted O.D.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>FOOD GRADE</th>
<th>ID (IN.)</th>
<th>OD (IN.)</th>
<th>WORKING PSI AT 70°F</th>
<th>VACUUM RATE (IN./Hg.)</th>
<th>BEND RADIUS (IN.)</th>
<th>LBS. PER 100 FT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 0101</td>
<td>1</td>
<td>1-1/4</td>
<td>50</td>
<td>28</td>
<td>2</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>120 0178</td>
<td>1-1/2</td>
<td>1-5/8</td>
<td>1-13/16</td>
<td>50</td>
<td>28</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>120 0332</td>
<td>1-3/4</td>
<td>1-3/32</td>
<td>1-3/4</td>
<td>45</td>
<td>3</td>
<td>34</td>
<td></td>
</tr>
<tr>
<td>120 0409</td>
<td>2</td>
<td>2-3/8</td>
<td>2-3/8</td>
<td>45</td>
<td>4</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>120 0486</td>
<td>2-1/4</td>
<td>2-5/8</td>
<td>2-5/8</td>
<td>40</td>
<td>5</td>
<td>55</td>
<td></td>
</tr>
<tr>
<td>120 0563</td>
<td>2-1/2</td>
<td>2-15/16</td>
<td>2-15/16</td>
<td>60</td>
<td>6</td>
<td>77</td>
<td></td>
</tr>
<tr>
<td>120 0640</td>
<td>3</td>
<td>3-7/16</td>
<td>3-7/16</td>
<td>45</td>
<td>8</td>
<td>102</td>
<td></td>
</tr>
<tr>
<td>120 0717</td>
<td>4</td>
<td>4-9/16</td>
<td>4-9/16</td>
<td>55</td>
<td>10</td>
<td>164</td>
<td></td>
</tr>
</tbody>
</table>

Standard coil length is 100 ft. Add length suffix to part number when ordering. Example: 100 ft. of 1-1/4" I.D. x 1-5/8" O.D. hose is part number 120 0178-100. Cut coils available; charges apply — call for details.

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.

## NEWFLEX FHS – Heavy Duty – Clear or Clear with White Helix, Smooth O.D.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>FOOD GRADE</th>
<th>INDUSTRIAL GRADE</th>
<th>ID (IN.)</th>
<th>OD (IN.)</th>
<th>WORKING PSI AT 70°F</th>
<th>VACUUM RATE (IN./Hg.)</th>
<th>BEND RADIUS (IN.)</th>
<th>LBS. PER 100 FT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>121 0181</td>
<td>120 0180</td>
<td>3/4</td>
<td>15/16</td>
<td>105</td>
<td>28</td>
<td>3</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>121 0258</td>
<td>123 0257</td>
<td>1</td>
<td>1-1/4</td>
<td>100</td>
<td>28</td>
<td>3</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>121 0335</td>
<td>123 0334</td>
<td>1-1/4</td>
<td>1-1/2</td>
<td>95</td>
<td>28</td>
<td>3</td>
<td>30</td>
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<tr>
<td>121 0412</td>
<td>123 0411</td>
<td>1-1/2</td>
<td>1-13/16</td>
<td>85</td>
<td>28</td>
<td>4</td>
<td>40</td>
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<td>121 0489</td>
<td>123 0488</td>
<td>2</td>
<td>2-3/8</td>
<td>80</td>
<td>28</td>
<td>5</td>
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<tr>
<td>121 0566</td>
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<td>2-1/2</td>
<td>2-7/8</td>
<td>75</td>
<td>28</td>
<td>7</td>
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<td>121 0643</td>
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<td>3-7/16</td>
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<td>28</td>
<td>8</td>
<td>115</td>
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<td>121 0797</td>
<td>123 0796</td>
<td>4</td>
<td>4-1/2</td>
<td>50</td>
<td>28</td>
<td>10</td>
<td>175</td>
<td></td>
</tr>
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</table>

Food Grade is all Clear; Industrial Grade has a White Helix.

Standard coil length is 100 ft. Add length suffix to part number when ordering. Example: 100 ft. of 3/4" I.D. x 15/16" O.D. Food Grade hose is part number 121 0181-100. Cut coils available; charges apply — call for details.

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.

## NEWFLEX VFH – Light Duty – Clear with White Helix, Convoluted O.D.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>ID (IN.)</th>
<th>OD (IN.)</th>
<th>VACUUM RATE (IN./Hg.)</th>
<th>BEND RADIUS (IN.)</th>
<th>LBS. PER 100 FT.</th>
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</thead>
<tbody>
<tr>
<td>124 0176</td>
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<td>.570</td>
<td>24</td>
<td>1/2</td>
<td>5</td>
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<tr>
<td>124 0253</td>
<td>1-1/4</td>
<td>.700</td>
<td>24</td>
<td>1/2</td>
<td>6</td>
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<tr>
<td>124 0330</td>
<td>5/8</td>
<td>.830</td>
<td>24</td>
<td>5/8</td>
<td>8</td>
</tr>
<tr>
<td>124 0407</td>
<td>3/4</td>
<td>.965</td>
<td>24</td>
<td>3/4</td>
<td>10</td>
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<tr>
<td>124 0484</td>
<td>1</td>
<td>1-1/4</td>
<td>24</td>
<td>1</td>
<td>14</td>
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<td>124 0561</td>
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<td>1-1/2</td>
<td>22</td>
<td>1</td>
<td>15</td>
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<tr>
<td>124 0638</td>
<td>1-1/2</td>
<td>1-13/16</td>
<td>20</td>
<td>2</td>
<td>20</td>
</tr>
<tr>
<td>124 0715</td>
<td>2</td>
<td>2-3/8</td>
<td>18</td>
<td>2</td>
<td>34</td>
</tr>
</tbody>
</table>

Standard coil length is 100 ft. Add length suffix to part number when ordering. Example: 100 ft. of 3/8" I.D. x .570" O.D. hose is part number 124 0176-100. Cut coils are available; charges apply — call for details.

This series has no positive pressure ratings. Increasing pressure will cause the hose to elongate and expand. If pressure is a concern, in-plant testing is advised.

**BOLD** indicates the critical dimension for fittings application.
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
- RoHS compliant
- Special Fuel & Oil grade available

*Clear only

Notes

CLEARFLO is generally unaffected by most oxidizing and reducing agents. Diluted acids and alkalies 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**

<table>
<thead>
<tr>
<th>Fuel &amp; Oil</th>
<th>Clear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness, Shore A ±5</td>
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<tr>
<td>Tensile Strength, psi</td>
<td>1980</td>
</tr>
<tr>
<td>Elongation at Break, %</td>
<td>730</td>
</tr>
<tr>
<td>Brittle Temperature, °F</td>
<td>-20</td>
</tr>
<tr>
<td>Maximum Operating Temp., °F</td>
<td>175</td>
</tr>
<tr>
<td>Maximum Operating Temp. for NSF, °F</td>
<td>120</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.

CLEARFLO FUEL & OIL — Transparent Yellow†

<table>
<thead>
<tr>
<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>LBS. PER 100 FT.</th>
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†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
CLEARFO — Clear

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<th>PART NO.</th>
<th>ID (IN.)</th>
<th>OD (IN.)</th>
<th>WALL (IN.)</th>
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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

www.newageindustries.com
Clearflo® Ag-47

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 (below 20% ABV)
- 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 infrequent 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 and will have no negative impact on the taste or flavor of products passed through it.

**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

Physical Properties**

- Hardness, Shore A ±5: 74
- Operating Temperature Range, °F: -40 to 125
- Operating Temperature Range, °C: -40 to 52

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 1190035-100. Sold by standard coil length only.

BOLD indicates the critical dimension for fittings application.
Nylobrade® Push-On

Premium Thermoplastic Push-On Style Hose

- A blend of nitrile rubber and PVC reinforced with polyester
- Specially designed for use with Push-On style barbed fittings which eliminate the need for clamps
- Non-marking cover, resistant to U.V., ozone, and abrasion
- Electrically non-conductive
- Offers cold temperature flexibility
- Well suited for air and water lines and outdoor use
- Silicone free — use as air hose in paint applications
- Lighter weight and more abrasion resistant than all-rubber, push-on style hose

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>ID (IN.)</th>
<th>OD (IN.)</th>
<th>WALL (IN.)</th>
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Standard coil length is 100 ft. Add length suffix to part number when ordering.

Example: 100 ft. of .260” I.D. x .500” O.D. tubing is part number 431 0054-100.

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

Cut coils are available; charges apply — call for details.

BOLD indicates the critical dimension for fittings application.

Custom Services
- Cut
- Size
- Color

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

Notes
NYLOBRADE PUSH-ON may be used up to 200 psi at 68°F. Elevated temperatures require in-field testing to determine suitability for use without clamps.

The opaque black color of NYLOBRADE PUSH-ON helps hide dirt and scuff marks.

Physical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<td>100% Modulus of Elasticity, %</td>
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<td>-35</td>
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<td>Maximum Operating Temp., °F</td>
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</table>

Note: Pressure rating of 200 psi will decrease when hose is used above ambient temperature without clamps.

**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 (these fittings may require clamps)
- Thermobarb® barbed fittings
- Cam operated couplings
- Oetiker® ear type clamps
- Kwik Clamp™ nylon double bond hose clamps
- Worm gear clamps

Did you know . . . ?
We stock over 8 million feet of tubing and over 500,000 fittings and clamps.

Mary Marcus
Director of Quality/Owner 9 years

Robert Davey
Mechanical Designer/Owner 2 years

Monica Dann
Silicone Molding Supervisor/Owner 13 years

Ron Kien
Silicone Manufacturing/Owner 1 year

John Litz
Technical Sales Rep/Owner 2 years

Scott Pancari
Senior Accountant/Owner 3 years

www.newageindustries.com
Hytrel®-Lined PVC

Co-Extruded Tubing of Hytrel & PVC

- Made from FDA-compliant ingredients; suitable for food contact
- Does not contain plasticizers
- Hytrel liner resists high temperatures and oils, making it ideal for hot beverage vending machine applications
- Low permeability to refrigerant gases, hydrocarbons and moisture
- Superior barrier and dielectric characteristics — well suited for welding applications
- Odorless, tasteless, and inert
- Good weathering properties — resists U.V. exposure, ozone, gases, moisture and temperatures
- Low adherence of particulates — ideal for air sampling
- Ethylene Oxide (EtO) sterilizable
- Hytrel liner is REACH compliant

Notes

HYTREL-LINED PVC TUBING is designed to offer the flexibility and durability of PVC tubing with a liner of inert Hytrel, made by DuPont, for additional resistance to oils, high temperatures and gas permeability. A patented process molecularly bonds liner and cover to make a virtually inseparable product. This cost-saving co-extrusion permits HYTREL-LINED PVC to be substituted for all-Hytrel tubing in many applications.

The Hytrel polyester liner offers internal resistance to chemical attack, abrasion and contamination, along with a high degree of resistivity to the adherence of particulates, making HYTREL-LINED PVC exceptionally suited for use in air sampling applications.

HYTREL-LINED PVC TUBING’s black PVC cover offers excellent resistance to abrasion and oils, as well as ultraviolet exposure. The pliable PVC also provides a degree of shock resistance and insulates the tubing from electronic interference.

HYTREL-LINED PVC TUBING is made of FDA-sanctioned ingredients for use with food contact surfaces. The tubing is certified for CFR Title 21 Section 177.1550 and CFR Title 21 Section 177.2600. It may be subjected to ethylene oxide sterilization processes.

Physical Properties**

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<thead>
<tr>
<th>Part No.</th>
<th>ID (In.)</th>
<th>OD (In.)</th>
<th>Wall (In.)</th>
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<th>Lbs. per 100 Ft.</th>
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Sold by standard coil length only. Add length suffix to part number when ordering. Example: 500 ft. of .170” ID x 1/4” OD tubing is part number 413-0091-500. **BOLD** indicates the critical dimension for fittings application.

Recommended Fittings & Clamps

- Thermobarb® barbed fittings
- Newloc® push-to-connect 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

More NewAge Industries’ Owners

Did you know . . . ?

We’ve shipped 99.8% of our products defect free over the last ten years.

ESOP Employee Owned for Your Benefit

Dan Quinn
Test/Mfg.
Engineer/Owner
1 year

Beth Miller
Customer Service
Rep./Owner
1 year

Ray Hallowell
Maintenance/
Owner
18 years

www.newageindustries.com
Clear Rigid Schedule 40 PVC Pipe

- Made from a clear, virgin, rigid compound to permit visual contact with the flow
- Non-toxic ingredients conform to FDA standards for use with food contact surfaces
- Smooth pipe interior surface provides excellent flow characteristics
- Flame retardant; non-conductive
- Manufactured to schedule 40 dimensions; compatible with standard PVC pipe, fittings, and valves
- Quick and easy glue-on installation with primer and cement

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>NOM. PIPE SIZE (IN.)</th>
<th>AVG. ID (IN.)</th>
<th>MIN. WALL (IN.)</th>
<th>OD (IN.)</th>
<th>STD. LENGTH (FT)*</th>
<th>WORKING PSI @ 73°F</th>
<th>LBS. PER FT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>150 0030</td>
<td>1/4</td>
<td>.354</td>
<td>.088</td>
<td>.540</td>
<td>10</td>
<td>390</td>
<td>.083</td>
</tr>
<tr>
<td>150 0170</td>
<td>1</td>
<td>1.033</td>
<td>.133</td>
<td>1.315</td>
<td>10</td>
<td>220</td>
<td>.320</td>
</tr>
<tr>
<td>150 0275</td>
<td>2</td>
<td>2.049</td>
<td>.154</td>
<td>2.375</td>
<td>10</td>
<td>140</td>
<td>.691</td>
</tr>
</tbody>
</table>

Add length suffix to part number when ordering. Example: 10 ft. of 1/4” nom. pipe size is part number 150 0030-10.

*10 foot pipe must ship by truck, or it may be cut for other shipping methods (charges apply — call for details). Lengths 8 feet or shorter can ship by UPS.

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

Notes

The non-toxic compound used to manufacture CLEAR-40 is non-conductive and has a U.L. rating of 94 VO.

Because CLEAR-40 is highly corrosion resistant as well as transparent, it is used extensively in chemical, pharmaceutical, food plants, and in laboratories and hospitals where visual contact with the flow is desired.

CLEAR-40 pipe can be used interchangeably with standard schedule 40 gray or white fittings. Assemblies should be permanently glued using primer and solvent cement.

Twenty-foot pipe lengths, bell-shaped pipe ends, fittings, and schedule 80 pipe are available through minimum order — call for details.

CLEAR-40 pipe is neither recommended to be threaded nor recommended for use in applications involving compressed air or gas.

†Although CLEAR-40 is completely transparent, it does have a blue tint.

Physical Properties**

- Hardness, Rockwell R: 109
- Tensile Strength, psi at 73°F: 7300
- Flexural Strength, psi at 75°F: 13,400
- Izod Impact, ft. lbs./in. notch at 73°F: 95
- Maximum Service 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.

More NewAge Industries’ Owners

Did you know . . . ?

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

Keith Simon
Plastic Manufacturing Supv/Owner 19 years

Sros Poul
Fabricator/Owner 5 years

Dawn MacDonald
Supply Chain Assistant/Owner 8 years

Joanne Chen
Credit Specialist/Owner 1 year

Sean Lynch
Engineering Project Mgr./Owner 2 years

Emmanuel Serrano
Plastic Manufacturing/Owner 2 years

ESOP Employee Owned for Your Benefit

Custom Services
- Cut
- Size

Call for more information
800-506-3924
**More NewAge Industries Products**

### Tubing & Hose

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

### Fittings & Clamps for PVC

- **Thermobarb® Plastic** - Barbed fittings in nylon, polyethylene, PVDF, polypropylene, or reinforced nylon or polypropylene. Sizes for 1/8” to 1” I.D. tubing in 14 styles.

- **Thermobarb® Brass** - Durable brass barbed fittings. Sizes for 1/8” to 1” I.D. tubing in 9 styles.

- **Cam Operated Couplings** - Molded from reinforced nylon and reinforced polypropylene. Sizes from 3/8” to 4” in 8 styles.

- **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 18 styles.

- **Oetiker® Ear Type Clamps** - Steel clamps with a unique breathable design. 35 sizes from 5/32” to 1-9/16”.

- **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. 25 sizes from 3/8” to 6” in 6 styles.

### Tubing & Hose Cutting Tools

### Custom Services

- **Cut**
- **Size**
- **Color**
- **Coil**
- **Over-braid**
- **Heat Form**
- **Hot Bond® Assemblies**
- **Hardness**
- **More**

**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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**WARRANTY:** NewAge Industries’ products are warranted to be free from defects in material and workmanship. Any product that proves to be defective in material or workmanship will be repaired or replaced at NewAge Industries’ option. NewAge Industries specifically disclaims any other liability. The data presented is believed to be reliable; however, nothing stated shall constitute a guarantee, recommendation, or warranty for any application.

**Specifications are subject to change without notice.**