Silbrade & Silicon
Silicone Hose & Tubing

Recommended for BrewSavor

NewAge Industries
Fluid Transfer Specialists

ESOP Employee Owned for Your Benefit
Braid Reinforced Silicone Hose

- Open mesh polyester braiding incorporated within the walls of silicone tubing
- Raw materials meet FDA requirements per FDA 21 CFR 177.2600 for use with food contact surfaces
- Reusable — will withstand repeated sterilization
- Translucent natural color for visual contact with the flow
- Able to resist extreme temperature variation: -99°F to 350°F
- Odorless, tasteless, and inert
- Excellent weatherability properties — resists U.V., ozone, gases, moisture, and extreme temperatures
- Designed for elevated pressure applications
- Listed by the National Sanitation Foundation (NSF-51) for food equipment materials
- Free of BPA, latex and phthalates; RoHS compliant

Notes

The construction of SILBRADE enables silicone tubing to handle increased pressure applications. SILBRADE offers outstanding resistance to temperature extremes and is made from raw materials that meet FDA requirements.

The flexible design and construction of SILBRADE also allows excellent bend radii and permits installation in restricted spaces without impeding flow. SILBRADE, a peroxide-cured product, contains no sulphur or other acid-producing chemicals thereby eliminating the possibility of staining, corroding, or deteriorating other materials it contacts. It is also resistant to ozone and U.V. over long time periods.

Care is recommended in the selection of fittings and clamps, as sharp barbed fittings or unlined metal clamps could tear into the hose wall and possibly cause a failure, especially at elevated pressures.

*SILBRADE may be low pressure steam sterilized in-line or autoclaved at up to 250°F in a normal autoclaving cycle. However, if exposed to repeated steam sterilization or long-term high temperature or pressure, silicone will eventually relax and become gummy. It should then be replaced.

SILBRADE is not recommended for implantable or in-body uses or for continuous steam applications.

Physical Properties**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>ID (IN.)</th>
<th>OD (IN.)</th>
<th>WALL (IN.)</th>
<th>STANDARD LENGTHS (FT.)</th>
<th>WORKING PSI AT 70°F</th>
<th>LBS. PER 100 FT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>290 0072</td>
<td>1/8</td>
<td>.365</td>
<td>.120</td>
<td>100</td>
<td>233</td>
<td>5</td>
</tr>
<tr>
<td>290 0149</td>
<td>3/16</td>
<td>.447</td>
<td>.130</td>
<td>100</td>
<td>216</td>
<td>7</td>
</tr>
<tr>
<td>290 0226</td>
<td>1/4</td>
<td>.520</td>
<td>.135</td>
<td>100</td>
<td>208</td>
<td>9</td>
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<tr>
<td>290 0303</td>
<td>5/16</td>
<td>.592</td>
<td>.140</td>
<td>100</td>
<td>183</td>
<td>11</td>
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<tr>
<td>290 0380</td>
<td>3/8</td>
<td>.655</td>
<td>.140</td>
<td>100</td>
<td>166</td>
<td>13</td>
</tr>
<tr>
<td>290 0457</td>
<td>1/2</td>
<td>.800</td>
<td>.150</td>
<td>50, 100</td>
<td>141</td>
<td>17</td>
</tr>
<tr>
<td>290 0534</td>
<td>5/8</td>
<td>.965</td>
<td>.170</td>
<td>50</td>
<td>116</td>
<td>23</td>
</tr>
<tr>
<td>290 0611</td>
<td>3/4</td>
<td>1.100</td>
<td>.175</td>
<td>50</td>
<td>91</td>
<td>28</td>
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<tr>
<td>290 0765*</td>
<td>1</td>
<td>1.380</td>
<td>.190</td>
<td>25, 50</td>
<td>75</td>
<td>36</td>
</tr>
</tbody>
</table>

Cut coils are available; charges apply — call for details. Add length suffix to part number when ordering. Example: 100 ft. of 1/8” I.D. x .365” O.D. hose is part number 290 0072-100.

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.

*Limited stock item in 25 ft. length; lead times and minimums may apply — call for details.

Recommended Fittings & Clamps

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

Custom Services

- Cut
- Color
- Size
- Hardness
- Overbraid
- And More

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

- Meets FDA requirements per FDA 21 CFR 177.2600 for use with food contact surfaces
- Able to resist extreme temperature variation: -100°F to 500°F (350°F maximum for NSF applications)†
- Translucent natural color for visual contact with the flow
- Resilient, stretchable, and resistant to compression set
- Reusable — will withstand repeated sterilization‡
- Odorless, tasteless, and inert
- Good electrical and weatherability properties — resists U.V., ozone, gases, and moisture
- Listed by the National Sanitation Foundation (NSF-51) for food equipment materials‡
- Conforms to 3-A Sanitary Standards for Number 18-03 (Multiple Use Rubber and Rubber-Like Materials)
- Free of BPA, latex and phthalates; RoHS compliant

### Physical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness, Shore A ±5</td>
<td>50</td>
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<tr>
<td>Tensile Strength, psi</td>
<td>1444</td>
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<tr>
<td>Elongation at Break, %</td>
<td>608</td>
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<tr>
<td>Tear Resistance, Die B, ppi</td>
<td>125</td>
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<tr>
<td>Modulus at 100%, psi</td>
<td>186</td>
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<tr>
<td>Brittle Temperature, °F</td>
<td>-100</td>
</tr>
<tr>
<td>Max. Operating Temperature, °F</td>
<td>350</td>
</tr>
<tr>
<td>Max. Operating Temperature for NSF, °F</td>
<td>250</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
- Oetiker® ear type clamps
- Kwik Clamp™ nylon double bond hose clamps
- Worm gear clamps

**Cut**  ■  **Size**  ■  **Color**  ■  **Hardness**  ■  **And More**

Call for more information: 800-506-3924 or 215-526-2300
Silbrade® Medical  Medical Grade Braid Reinforced Silicone Hose

- Open mesh polyester braiding incorporated within the walls of silicone tubing
- Finished product meets USP Class VI requirements
- Able to resist extreme temperature variation: -99°F to 350°F
- Odorless, tasteless, and inert
- Raw materials meet FDA requirements for use with food contact surfaces

Silcon® Med-X  Platinum Cured Medical Grade Silicone Tubing

- Platinum cured for the highest degree of purity (least extractables)
- Manufactured under good manufacturing practices in a controlled environment
- Reusable — will withstand repeated sterilization
- Applications include pharmaceutical, biomedical, health and beauty, food, and beverage handling

Silbrade® Platinum  Platinum Cured Silicone Hose

- Platinum cured for the highest degree of purity
- NSF-51 listed for food equipment materials
- Odorless, tasteless, and inert
- Open mesh polyester braiding incorporated within walls of silicone offers increased pressure capabilities
- Able to resist extreme temperature variation: -100°F to 400°F

Request a Silicone catalog

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