Silbrade® Platinum

Platinum Cured Braid Reinforced Silicone Hose

NewAge Industries

ESOP Employee Owned for Your Benefit

Fluid Transfer Specialists®
Platinum Cured Braid Reinforced Silicone Hose

- Platinum cured for the highest degree of purity
- Raw materials meet FDA requirements per FDA 21 CFR 177.2600 for use with food contact surfaces
- Listed by the National Sanitation Foundation (NSF-51) for food and beverage 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
- Translucent natural color for visual contact with the flow
- Kink resistant yet highly flexible
- Reusable — will withstand repeated sterilization
- Excellent weatherability properties — resists U.V., ozone, gases, moisture, and extreme temperatures
- Manufactured in a controlled environment
- Free of BPA, latex and phthalates
- RoHS compliant

Notes

The construction of SILKRADE PLATINUM involves a liner of silicone elastomer, an open polyester braid reinforcing layer, and a covering of silicone elastomer. The braid reinforcement allows for increased pressure usage over unreinforced silicone tubing. SILKRADE PLATINUM contains no plasticizers.

SILKRADE PLATINUM’s surface properties resist encrustation and will not support bacteria growth. It is nonreactive to body tissues and fluids.

Care is recommended in the selection and application of fittings and clamps as sharp barbed fittings or unlined metal clamps could tear into the hose wall, possibly leading to hose failure.

SILKRADE PLATINUM should not be used for steam transfer. Steam-for-sterilization is the only recommended exposure to steam. If exposed to repeated steam sterilization or long term high temperature or pressure, silicone will eventually become gummy. It should then be replaced.

SILKRADE PLATINUM is supplied in individual, heat-sealed polybags.

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

Recommended Fittings & Clamps

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

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Physical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness, Shore A ±5 – Liner</td>
<td>70</td>
</tr>
<tr>
<td>Hardness, Shore A ±5 – Cover</td>
<td>60</td>
</tr>
<tr>
<td>Tensile Strength, psi</td>
<td>1320</td>
</tr>
<tr>
<td>Elongation at Break, %</td>
<td>630</td>
</tr>
<tr>
<td>Tear Resistance, Die B, psi</td>
<td>320</td>
</tr>
<tr>
<td>Modulus at 100%, psi</td>
<td>500</td>
</tr>
<tr>
<td>Brittle Temperature, °F</td>
<td>-100</td>
</tr>
<tr>
<td>Maximum Operating Temperature, °F</td>
<td>400</td>
</tr>
</tbody>
</table>

**Values listed are typical for the material used in manufacture except where noted, apply to the hose liner 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
- Overbraid
- Size
- And More

Call for more information
800-506-3924

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