Medical Silicone Tubing & Hose
Peroxide or Platinum Cured

NewAge Industries
Fluid Transfer Specialists®
Finished product meets USP Class VI requirements
- Raw materials meet FDA requirements per FDA 21 CFR 177.2600 for use with food contact surfaces
- Able to resist extreme temperature variation: -100°F to 400°F
- Free of BPA, latex and phthalates
- Odorless, tasteless, and inert
- Naturally translucent so fluid flow is visible
- May be used for peristaltic pumping
- REACH and RoHS compliant

Notes
SI LCON MEDICAL tubing meets USP Class VI requirements. Its low surface energy helps to resist adhesion and does not support bacteria growth. The tubing is highly elastic without the need for plasticizers, making it a preferred option for life science use.

Care is recommended in the selection and application of fittings and clamps as sharp barbed fittings or unlined metal clamps could tear into the tubing wall.

Peroxide-cured SILCON MEDICAL tubing is supplied in individual, non-sterile, heat-sealed polybags.

SILCON MEDICAL should not be used in continuous steam applications.

Physical Properties**

- Hardness, Shore A ±5: 60
- Tensile Strength, psi: 1305
- Elongation at Break, %: 429
- Tear Resistance, Die B, ppi: 177
- Modulus at 100%, psi: 230

**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.

Additional Notes

Any information presented in this document or in related promotional materials is being presented solely for informational purposes and does not create any representation from NewAge to any buyer regarding a product’s fitness for a particular use or that a particular use of the product by a buyer (including incorporation into a medical device) would comply with all applicable laws and regulations. NewAge’s standard terms and conditions will be the sole and exclusive legal agreement between the parties with regards to any purchased products.
Platinum cured for the highest degree of purity (least extractables)
Finished product meets USP Class VI requirements
Free of BPA, latex and phthalates
Listed by the National Sanitation Foundation (NSF-51) for food and beverage equipment materials
Naturally translucent so fluid flow is visible
REACH and RoHS compliant
Applications include pharmaceutical, biomedical, health and beauty, food, and beverage handling

**Physical Properties**

- Hardness, Shore A ±5: 50
- Tensile Strength, psi: 1348
- Elongation at Break, %: 900
- Tear Resistance, Die B, ppi: 250
- Modulus at 100%, psi: 190

**Notes**

SILCON MED-X tubing meets USP Class VI requirements.
Its low surface energy helps to resist adhesion and does not support bacteria growth. The tubing is highly elastic without the need for plasticizers which make it a preferred option for life science use.
Other sizes and 60A durometer material are also available — call for details.
Care is recommended in the selection and application of fittings and clamps as sharp barbed fittings or unlined metal clamps could tear into the wall.
SILCON MED-X is supplied in individual, heat-sealed polybags.
SILCON MED-X should not be used in continuous steam applications.

**Custom Services**

- Cut
- Size
- Color
- And More

Call for more information
800-506-3924

Additional Notes

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*Limited stock item; lead times and minimums may apply — call for details. Sold by standard coil length (50 ft); additional lengths may be available — call for details. Add length suffix to part number when ordering. Example: 50 ft. of .030” I.D. x .160” O.D. tubing is part number 284 0404-50. BOLD indicates the critical dimension for fittings application.
Medical Grade Braid Reinforced Silicone Hose

- Open mesh polyester braiding incorporated within the walls of silicone tubing
- Designed for elevated pressure applications
- Finished product meets USP Class VI requirements
- Raw materials meet FDA requirements per FDA 21 CFR 177.2600 for use with food contact surfaces
- Able to resist extreme temperature variation: -99°F to 350°F
- Reusable — will withstand repeated sterilization
- Free of BPA, latex and phthalates
- Odorless, tasteless, and inert
- Translucent natural color for visual contact with the flow
- Manufactured in a controlled environment
- RoHS compliant

Notes

SILBRADE MEDICAL’s construction consists of a core of silicone elastomer, an open polyester braid reinforcing layer, and a cover layer of silicone elastomer. Good manufacturing procedures, including lot traceability, are applicable to all Class VI ingredients. SILBRADE MEDICAL is a peroxide-cured product.

The hose’s smooth bore, coupled with its resistance to allow material to adhere to the tube wall, facilitates easy cleaning and system purging. SILBRADE MEDICAL may be low pressure sterilized in-line or autoclaved up to 250°F in a normal autoclaving cycle. 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.

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

Peroxide-cured SILBRADE MEDICAL hose is supplied in individual, non-sterile, heat-sealed polybags and should be sterilized prior to use. SILBRADE MEDICAL is not recommended for implantable or in-body uses or for continuous steam applications.

Physical Properties**

- Hardness, Shore A ±5 – Liner: 70
- Hardness, Shore A ±5 – Cover: 60
- Tensile Strength, psi: 1460
- Elongation at Break, %: 320
- Tear Resistance, Die B, ppi: 100
- Modulus at 100%, psi: 415
- Brittleness Temperature, °F: -99
- Maximum Operating Temperature, °F: 350

**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
- Color
- Size
- And More

Call for more information
800-506-3924

Additional Notes

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Platinum cured for the highest degree of purity
- Open mesh polyester braiding incorporated within walls of silicone offers increased pressure capabilities
- Finished product meets USP Class VI requirements
- 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
- Able to resist extreme temperature variation: -100°F to 400°F
- Reusable — will withstand repeated sterilization
- Free of BPA, latex and phthalates
- Kink resistant yet highly flexible
- Translucent natural color for visual contact with the flow
- Manufactured in a controlled environment
- Excellent weatherability properties — resists U.V., ozone, gases, moisture, and extreme temperatures
- RoHS compliant

Notes

The construction of SILBRADE 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. SILBRADE PLATINUM contains no plasticizers. SILBRADE 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.

SILBRADE PLATINUM should not be used for steam transfer or continuous steam operation. 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.

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

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

Physical Properties**

<table>
<thead>
<tr>
<th>ID (IN.)</th>
<th>OD (IN.)</th>
<th>WORKING PSI AT 70°F</th>
<th>LBS. PER 100 FT.</th>
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<td>1/2</td>
<td>140</td>
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Sold by standard length (50 ft). Add length suffix to part number when ordering. Example: 50 ft. of 1/4” I.D. Silbrade Platinum is part number 292 1023-50. Working pressures are calculated from burst testing using a 3:1 safety factor. Application testing is recommended.
More NewAge Industries Products

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

**Fittings & Clamps**
- **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
- Over-braid
- Heat Form
- 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 found to be such defect will be replaced without charge. This warranty is limited only to the replacement of NewAge Industries' products, here for them, which, after examination by NewAge Industries, are deemed defective. NewAge Industries specifically disclaims any other liability.

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

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