NewAge® Industries stocks three types of rubber tubing in addition to silicone: thermoplastic rubber (TPR), Viton™, and latex. Each has its own performance advantages.

Thermoplastic rubber (TPR) combines the processability of plastics with the flexibility and durability of rubber. It is typically more light weight and formable than rubber. TPR provides outstanding compression characteristics, making it an ideal fit for use with peristaltic pumps. The material also offers excellent resistance to flex fatigue and tear. It maintains good flexibility to temperatures approaching -60°F.

Known for its resistance to oils and chemicals, Viton retains its good mechanical and chemical resistance properties at extremely high temperatures better than any other known elastomer. Viton is also a standout material in its resistance to weather-related aging and ozone.

Viton’s fluid resistance far exceeds that of most other synthetic rubbers. It resists hydrocarbons such as benzene, toluene, carbon tetrachloride, and xylene — fluids that normally act as solvents on rubber. Engineers looking for exceptional resistance to petroleum-based liquids and mineral acids at elevated temperatures often turn to Viton, as few other thermoplastics can meet the required resistance levels.

Latex is known for its extreme flexibility and is among the most elastic rubber materials in use today. Resiliency is another quality of latex tubing, allowing it to maintain memory after repeated bending, stretching, or pulsating forces. Latex also withstands repeated sterilization with either steam, Ethylene Oxide, or gamma radiation.

NewAge Industries’ latex tubing is processed from pure, liquid, natural latex and is made using a unique dip method. This produces a tubing that is seamless, uniform, and very smooth, providing maximum flow and minimizing the possibility of encrustation during use.

Applications

- Agriculture and Lawn Equipment
- Air Conditioning
- Appliances
- Automotive Fluids
- Cable Jacketing
- Chemical Conveyance
- Cosmetic Packaging
- Drain Tubing
- Elastic Bands
- Engine Compartments
- Exercise Devices
- Food & Beverage
- Fuel & Oil Lines
- Heaters and Other Extreme Temperature Environments
- Lubrication
- Ink Transfer
- Model Engine Exhaust
- Non-Aerosol Can Lines
- ‘O’-Ring Gaskets
- Paint Spray Systems
- Peristaltic Pumps
- Photographic Chemical Transfer
- Seals and ‘O’-Rings
- Shock Absorbers
- Solvents
- Vibration Insulators
- More
Made of first-quality, polypropylene-based, thermoplastic rubber (TPR)

- Outstanding compression characteristics and toughness for peristaltic pump uses
- Maintains good flexibility at low temperatures
- Free of conflict minerals, BPA and animal-derived ingredients
- RoHS compliant
- Available in FDA or industrial grade
- Industrial grade is well suited for outdoor use
- FDA grade is autoclavable
- Resin is listed by the National Sanitation Foundation (NSF-51) for food equipment materials
- FDA raw material complies with FDA 21 CFR 177.2600 and meets UL94 HB burn rating

Notes
SUPRENE offers excellent flex fatigue resistance and good tear resistance, making it an ideal choice for peristaltic pump applications. The FDA raw material is suitable for a variety of clean uses and is autoclavable to ensure cleanliness.

Black industrial SUPRENE offers good resistance to U.V. radiation, ozone, chemicals and other fluids. It will also handle applications where oil may splash onto the tubing and is well suited for outdoor use.

Physical Properties**

<table>
<thead>
<tr>
<th></th>
<th>Natural</th>
<th>FDA</th>
<th>Black</th>
<th>Ind.</th>
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<tr>
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<td>69</td>
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<td>Tensile Strength, psi</td>
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**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

Cutting Tools Available!

ESOP Employee 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.
**Made of 100% pure Viton, a high performance synthetic rubber**

- Excellent temperature resistance: -25°F (Type B) / -7°F (Type A) to 400°F continuously; 600°F periodically
- Offers one of the widest ranges of fluid and chemical resistance of any commercial rubber
- Excellent resistance to oils, fuels, lubricants, and most mineral acids
- Also resistant to many aliphatic and aromatic hydrocarbons such as carbon tetrachloride, benzene, toluene, and xylene
- Excellent resistance to environmental exposure such as sunlight and ozone
- Available from stock in 60 and 75 Shore A durometers (Type B and Type A)

<table>
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<th>Type A</th>
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<td>.631&quot; - 1.000&quot;</td>
<td>0.032</td>
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**Notes**

VITUBE’s main attributes include exceptional chemical resistance at elevated temperatures. It has withstood continuous service temperatures of 600°F for 48 hours and 500°F for 1000 hours while maintaining its mechanical properties. However, care should be taken at these elevated temperatures. Tests should be performed to determine application suitability.

VITUBE possesses the high resiliency of an elastomer as well as the good mechanical properties of conventional synthetic rubbers. The heat and chemical resistance factors, however, usually go far beyond the range of other rubbers.

The 60A durometer compound is specially formulated for use in peristaltic pumps. All VITUBE formulations are produced with 100% Viton fluoroelastomers (chemical name: fluorocarbon FKM) and are matte black in color. VITUBE contains no regrind material nor blends of other elastomers.

If accidental burning of VITUBE occurs, extreme caution should be taken due to Hydrogen Fluoride and other decomposition products. Avoid inhalation of vapors liberated at service temperatures above 392°F.

If your application calls for harder VITUBE, 90A durometer is available — call for details.

**Recommended Fittings & Clamps**

- Thermobarb® barbed fittings
- Oetiker® ear type clamps
- Worm gear clamps

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<th>PART NO.</th>
<th>PART NO.</th>
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<th>WALL (IN.)</th>
<th>STD. LENGTH (FT.)</th>
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*Limited stock item; lead times and minimums may apply — call for details.

†These weights apply to the 60A durometer tubing; weights for 75A are slightly less.

Add length suffix to part number when ordering. Example: 100 ft. of 1/32" I.D. x 3/32" O.D., 60A durometer tubing is part number 260 0185-100.

BOLD indicates the critical dimension for fittings application.

**Cut**  ■ **Size**  ■ **Overbraid**  ■ **Hardness**  ■ **And More**

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

Cutting Tools Available!
Natural Latex Rubber Tubing

- Made from natural latex rubber, a thermoset material
- Excellent resilience, tear, and tensile strength
- Made from non-toxic ingredients conforming to FDA standards
- Extremely elastic with excellent memory after repeated stretching
- Contains no plasticizers which can migrate and cause flow contamination or tube hardening
- NEWTEX is a translucent amber color

Made in U.S.A.

Notes

NEWTEX tubing is an exceptionally resilient material that has notable wear resistance, very low permanent set characteristics, and excellent flexibility at low temperatures. NEWTEX will withstand repeated sterilization with autoclaving at 250°F for 20 minutes. It will also endure limited sterilization with ethylene oxide or gamma radiation.

Since natural rubber NEWTEX has some protein trace (an allergen), synthetic NEWTEX (polyisoprene) made without protein can be supplied through minimum order. Synthetic NEWTEX can also be cured in straight lengths — call for details. Synthetic NEWTEX should also be considered for its translucency, as natural latex’s amber color is quite dark.

Also available through special order is vacuum-rated, red-colored NEWTEX — call for details.

Note that NEWTEX may have multiple pieces per length of tubing. This is due to the material’s manufacturing limitations. See details below part number chart.

Recommended Fittings & Clamps

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

Physical Properties**

- Hardness, Shore A ±5
- Tensile Strength, psi
- Elongation at Break (minimum), %
- Brittle Temperature, °F
- Max. Operating Temperature, °F

**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.

Cutting Tools Available!

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