



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 -80°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. ■

Suprene®
Thermoplastic rubber (TPR) tubing2

Vitube®
Flexible tubing of Viton®3

Newtex
Natural latex rubber tubing4

Applications

- Agriculture and Lawn Equipment ■ Air Conditioning ■ Appliances ■ Automotive Fluids ■ Cable Jacketing ■ Chemical Conveyance ■ Cosmetic Packaging ■ Drain Tubing ■ Elastic Bands ■ Exercise Devices ■ Food & Beverage ■ Fuel & Oil Lines ■ Hot Lubrication ■ Ink Transfer ■ Medical & Dental Connector Lines ■ Model Engine Exhaust ■ Model Glider Launching ■ Non-Aerosol Can Lines ■ 'O'-Ring Gaskets ■ Paint Spray Systems ■ Peristaltic Pumps ■ Pharmaceutical Processing and Packaging ■ Photographic Chemical Transfer ■ Roll Covers for Hot or Corrosive Service ■ Seals and 'O'-Rings ■ Shock Absorbers ■ Slingshots ■ Solvents ■ Tourniquet Bands ■ Vibration Insulators ■ More



TPR Tubing



- Made of first-quality, polypropylene-based, thermoplastic rubber (TPR)
- Outstanding compression characteristics and toughness for peristaltic pump uses
- Available in both FDA and industrial grades
- Compound used in Natural FDA 80A tubing meets National Sanitation Foundation requirements for food equipment products (NSF-51)
- Material 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 material is suitable for a variety of clean uses and is autoclavable to ensure cleanliness.

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

Other durometers meeting NSF requirements may be available as a custom item — call for details.

Physical Properties**

	Natural FDA 64A	Natural FDA 80A	Black Ind. 64A
Hardness, Shore A @ 77°F, ±5	64	80	64
Tensile Strength @ 77°F, psi	950	1600	1000
Elongation at Break, %	400	450	400
Tear Strength @ 73°F, pli	140	194	140
Compression Set % @ 73°F after 168 hrs.	22	29	22
212°F after 168 hrs.	34	41	34
Brittle Temperature, °F	<-76	<-76	<-76
Minimum Recommended Operating Temp., °F	-60	-60	-60
Maximum Recommended Operating Temp., °F	275	275	275

**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

SUPRENE – Natural FDA 64A Durometer

PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	LBS. PER 100 FT.
460 0246	1/8	1/4	1/16	50	1.55
460 0414	3/16	5/16	1/16	50	2.06
460 0582	1/4	3/8	1/16	50	1.15
460 0638	1/4	1/2	1/8	50	6.19
460 0694	5/16	7/16	1/16	50	3.09
460 0862	3/8	1/2	1/16	50	3.61
460 0974	3/8	5/8	1/8	50	8.26
460 1198	1/2	5/8	1/16	50	4.65
460 1310	1/2	3/4	1/8	50	10.32
460 1646	5/8	7/8	1/8	50	12.39
460 1926	3/4	1	1/8	50	14.45

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 460 0246-50.

BOLD indicates the critical dimension for fittings application.

SUPRENE – Natural FDA 80A Durometer

PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	LBS. PER 100 FT.
460 6014	1/8	1/4	1/16	50	1.55
460 6350	1/4	3/8	1/16	50	1.15
460 6406	1/4	1/2	1/8	50	6.19
460 6462	5/16	7/16	1/16	50	3.09
460 6630	3/8	1/2	1/16	50	3.61
460 6742	3/8	5/8	1/8	50	8.26
460 7078	1/2	3/4	1/8	50	10.32
460 7638	3/4	1	1/8	50	14.45

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 460 6014-50.

BOLD indicates the critical dimension for fittings application.

SUPRENE – Black Industrial 64A Durometer

PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	LBS. PER 100 FT.
461 0228	1/8	1/4	1/16	50	1.55
461 0396	3/16	5/16	1/16	50	2.06
461 0564	1/4	3/8	1/16	50	1.15
461 0620	1/4	1/2	1/8	50	6.19
461 0676	5/16	7/16	1/16	50	3.09
461 0844	3/8	1/2	1/16	50	3.61
461 0956	3/8	5/8	1/8	50	8.26
461 1180	1/2	5/8	1/16	50	4.65
461 1292	1/2	3/4	1/8	50	10.32
461 1628	5/8	7/8	1/8	50	12.39

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 461 0228-50.

BOLD indicates the critical dimension for fittings application.

Custom Services

- Cut
- Color
- Size
- Hardness
- Overbraided
- And More

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

Flexible Tubing of Viton®

- Made of 100% pure Viton, a high performance synthetic rubber
- Excellent temperature resistance: -40°F 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)



PART NO. 60A Type B	PART NO. 75A Type A	ID (IN.)	OD (IN.)	WALL (IN.)	STD. LENGTH (FT.)	LBS. PER 100 FT.†
260 0185	260 0192	1/32	3/32	1/32	50, 100	.50
260 0360*	260 0367*	1/32	5/32	1/16	50, 100	1.48
260 0535	260 0542	1/16	1/8	1/32	50, 100	.74
260 0710	260 0717*	1/16	3/16	1/16	50, 100	1.99
260 0885		1/16	1/4	3/32	50, 100	3.70
260 1235	260 1242	1/8	1/4	1/16	50, 100	2.97
260 1410		1/8	5/16	3/32	50, 100	5.21
260 1935	260 1942	3/16	5/16	1/16	50, 100	3.96
260 2810	260 2817	1/4	3/8	1/16	25, 50	4.94
260 2985		1/4	7/16	3/32	25, 50	8.18
260 3160	260 3167	1/4	1/2	1/8	25, 50	11.86
260 3685	260 3692	5/16	7/16	1/16	25, 50	5.94
260 3860	260 3867	3/8	1/2	1/16	25, 50	6.92
260 4035	260 4042*	3/8	9/16	3/32	25, 50	11.16
260 4210	260 4217*	3/8	5/8	1/8	25	15.82
260 4560	260 4567*	1/2	5/8	1/16	25	8.90
260 4910	260 4917*	1/2	3/4	1/8	25	19.77
260 5960	260 5967	3/4	1	1/8	25	27.68
260 6135	260 6142*	7/8	1	1/16	25	14.83

*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.

Recommended Fittings & Clamps

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

ID/OD Measurement Tolerances

0" - .100"	(1/32 - 3/32)	±.010
.101" - .160"	(1/8 - 5/32)	±.013
.161" - .250"	(3/16 - 1/4)	±.016
.251" - .400"	(5/16 - 3/8)	±.020
.401" - .630"	(7/16 - 5/8)	±.025
.631" - 1.000"	(3/4 - 1)	±.032

Custom Services

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

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

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% DuPont Dow 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.

Physical Properties**

	Type B	Type A
Hardness, Shore A ±5	60	75
Tensile Strength, psi	1450	1600
Elongation at Break, %	350	150
Brittle Temperature, °F	-40	-30
Max. Operating Temp., °F	400	400

**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.

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



PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)†	LBS. PER 100 FT.
270 0110	1/16	1/8	1/32	100	1.00
270 0222	1/8	3/16	1/32	100	1.50
270 0334	1/8	1/4	1/16	100	2.00
270 0446	3/16	5/16	1/16	100	2.50
270 0558	3/16	3/8	3/32	100	4.00
270 0670	3/16	7/16	1/8	100	6.00
270 0782	1/4	3/8	1/16	100	3.25
270 0894	1/4	7/16	3/32	100	5.25
270 1006	1/4	1/2	1/8	100	6.50
270 1118	5/16	7/16	1/16	100	3.75
270 1230	5/16	1/2	3/32	100	6.25
270 1342	5/16	9/16	1/8	50	9.00
270 1454	3/8	1/2	1/16	50	5.00
270 1566	3/8	9/16	3/32	50	7.00
270 1678	3/8	5/8	1/8	50	9.50
270 1790	1/2	11/16	3/32	50	9.00
270 1902	1/2	3/4	1/8	50	12.50
270 2014	3/4	1	1/8	50	17.00

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.

†Tubing may have a maximum of five sections, with a minimum section length of 4 feet, in 100 ft. lengths; a maximum of three sections, with a minimum section length of 4 feet, in 50 ft. lengths.

Sold by standard coil length only. Add length suffix to part number when ordering.

Example: 100 ft. of 1/16" I.D. x 1/8" O.D. tubing is part number 270 0110-100.

BOLD indicates the critical dimension for fittings application.

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	35
Tensile Strength (minimum), psi	3500
Elongation at Break (minimum), %	750
Brittle Temperature, °F	-60
Max. Operating Temperature, °F	180

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Custom Services

- **Cut** ■ **Color**
- **Size** ■ **And More**

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

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