NEWAGE Silicone

Celebrating Over 65 Yeans of Service

NewAge® Industries offers a broad line of tubing and hose products made from this versatile material, including platinumcured silicone tubing and silicone hose. Our state-of-the-art clean rooms are designed for manufacturing products particularly suited to medical and food and beverage applications. Our industrial grades offer exceptional performance at relatively lower costs.

> Silicone tubing has long been used for medical tubing, as it meets that industry's requirements for purity and biocompatibility. With a wide working

temperature range, silicone will retain its properties in hot and cold environments that would normally be detrimental to other materials. Its low compression set makes it ideal for applications like infusion pumps where accuracy of dosage is critical.

Silicone, a thermoset material, is quite versatile in other areas as well. Inherently resistant to oxidation and degradation to U.V. radiation, silicone makes a good electrical and thermal insulator. With both platinum and peroxide based options, NewAge can help find a silicone that best suits your needs.

Note: NewAge Industries does not produce or sell humanimplantable silicone products.

Silcon®

Silicone tubing2	
Silcon Medical	
Medical grade silicone tubing3	
Silcon Med-X	
Platinum cured medical grade silicone tubing4	
Silbrade®	
Braid reinforced silicone hose 5	
Silbrade Medical	
Medical grade braid reinforced silicone hose 6	
Silbrade Platinum	
Platinum cured braid reinforced silicone hose7	

Applications

Aerospace Equipment* Appliances Automotive Fluids Beverage &
Dairy Service 🔳 Cell Culturing 📕 Chemical Transfer 📕 Clean Rooms
Deionized Water Transfer Dialysis Duplicating Equipment Fermenter
Lines E Gaskets, Seals, & 'O'-Rings Hot Fill & Vacuum Systems Insulation
Sleeving 🔳 Laboratory Uses 📕 Liquid Resin Feeds 📕 Peristaltic Pumps 📕
Personal Care Products Pharmaceutical Processing Protective Jacketing
Sterile Bottle Filling
Transfer More
*See Terms and Conditions Agreement for Limitations





A Solar Powered, Zero Landfill Company

Fluid Transfer Specialists®



Silicone Tubing

Odorless, tasteless, and inert

- Able to resist extreme temperature variation: -100°F to 500°F (350°F maximum for NSF applications[†])
 - Meets 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⁺
 - 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
 - Reusable will withstand repeated sterilization[^]



LBS.

WORKING

Translucent natural color for visual contact with the flow

ID

- Resilient, stretchable, and resistant to compression set
- Good electrical and weatherability properties resists U.V., ozone, gases, and moisture OD

STANDARD

Notes

The most outstanding properties of SILCON are its flexibility and resistance to temperature extremes. These, plus its good electrical properties and ability to selfextinguish, make SILCON an excellent choice for appliances and thermal sleeving.

Peroxide-cured SILCON contains no sulphur or other acid-producing chemicals, thereby eliminating the possibility of staining, corroding, or deteriorating materials it contacts. It is extremely resistant to ozone and U.V. over long time periods.

Care is recommended in the selection of fittings and clamps for SILCON as sharp barbed fittings or unlined metal clamps could tear into the tubing wall and possibly cause a failure.

^SILCON 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 longterm high temperature or pressure, silicone will eventually relax and become gummy. It should then be replaced.

Colors for industrial applications are available through minimum order — call for details.

SILCON is not recommended for implantable or inbody uses or for continuous steam applications.

Physical Properties**

Hardness, Shore A ± 5	50
Tensile Strength, psi	1444
Elongation at Break, %	608
Tear Resistance, Die B, ppi	120
Modulus at 100%, psi	186
Brittle Temperature, °F	-100
Max. Operating Temperature, °F	500
†Max. Operating Temperature for NSF, °F	350

**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 (see page 4)

Oetiker[®] ear type clamps

Kwik Clamp[™] nylon double bond hose clamps

Worm gear clamps

PART NO.	(IN.)	(IN.)	LENGTH (FT.)	PSI AT 70°F*	PER 100 FT.
280 0084	1/16	1/8	100	10	0.50
280 0161	1/16	3/16	100	20	1.34
280 0315	3/32	5/32	100	10	0.66
280 0392	3/32	7/32	100	15	1.58
280 0469	1/8	3/16	100	10	0.88
280 0546	1/8	1/4	100	20	2.00
280 0623	1/8	5/16	100	25	3.32
280 0700	1/8	3/8	100	28	4.92
280 0854	5/32	9/32	100	20	2.14
280 0931	5/32	11/32	100	20	3.64
280 1008	3/16		100	5	1.22
280 1085	3/16		100	20	2.64
280 1162			100		4.12
280 1239	3/16		100	15	6.14
280 1393			100	10	1.50
					3.34
280 1547					5.12
280 1624					7.50
				10	3.66
				10	6.30
				10	4.32
					7.14
				-	10.16
					16.72
					7.70
					5.84
					9.50
					13.12
					15.00
					6.86
					11.34
					13.38
					22.86
		•			17.64
280 3164	3/4	1-1/8	50	10	26.56
	280 0084 280 0161 280 0315 280 0392 280 0469 280 0546 280 0623 280 0700 280 0854 280 0931 280 1008 280 1085 280 1085 280 1162 280 1239 280 1393 280 1470 280 1547	PART NO. (IN.) 280 0084 1/16 280 0161 1/16 280 0392 3/32 280 0392 3/32 280 0469 1/8 280 0546 1/8 280 0623 1/8 280 0623 1/8 280 0700 1/8 280 0854 5/32 280 0931 5/32 280 0931 5/32 280 0931 5/32 280 0931 5/32 280 1008 3/16 280 1085 3/16 280 1162 3/16 280 1239 3/16 280 1239 3/16 280 1547 1/4 280 1547 1/4 280 1547 1/4 280 1624 1/4 280 1778 5/16 280 1855 5/16 280 2086 3/8 280 2086 3/8 280 2163 3/8 280 2240 7/16 280 2317 <t< td=""><td>PART NO. (IN.) (IN.) 280 0084 1/16 1/8 280 0161 1/16 3/16 280 0315 3/32 5/32 280 0392 3/32 7/32 280 0469 1/8 3/16 280 0546 1/8 1/4 280 0623 1/8 5/16 280 0700 1/8 3/8 280 0854 5/32 9/32 280 0931 5/32 11/32 280 1008 3/16 1/4 280 1085 3/16 5/16 280 1085 3/16 5/16 280 1162 3/16 7/16 280 1239 3/16 7/16 280 1239 3/16 7/16 280 1470 1/4 3/8 280 1547 1/4 7/16 280 1624 1/4 1/2 280 1855 5/16 1/2 280 1855 5/16 1/2 280 2086 3/8 5/8</td><td>PART NO. (IN.) (IN.) LENGTH (FT.) 280 0084 1/16 1/8 100 280 0161 1/16 3/16 100 280 0315 3/32 5/32 100 280 0392 3/32 7/32 100 280 0469 1/8 3/16 100 280 0546 1/8 1/4 100 280 0623 1/8 5/16 100 280 0700 1/8 3/8 100 280 0854 5/32 9/32 100 280 0931 5/32 11/32 100 280 1008 3/16 1/4 100 280 1085 3/16 5/16 100 280 1085 3/16 7/16 100 280 1162 3/16 7/16 100 280 1239 3/16 7/16 100 280 1470 1/4 3/8 100 280 1547 1/4 7/16 100 280 1855 5/16</td><td>PART NO.(IN.)(IN.)LENGTH (FT.)PSI AT 70°F*280 00841/161/810010280 01611/163/1610020280 03153/325/3210010280 03923/327/3210010280 04691/83/1610020280 05461/81/410020280 06231/85/1610025280 07001/83/810028280 08545/329/3210020280 09315/3211/3210020280 10083/161/41005280 10853/165/1610020280 11623/165/1610020280 12393/167/1610010280 14701/43/81005280 15471/47/1610010280 18555/161/210010280 18555/161/210010280 18555/161/210010280 20093/89/1610010280 21633/83/410015280 22407/165/810010280 22407/165/810010280 22407/165/810010280 22407/165/810010280 22555/83/41005</td></t<>	PART NO. (IN.) (IN.) 280 0084 1/16 1/8 280 0161 1/16 3/16 280 0315 3/32 5/32 280 0392 3/32 7/32 280 0469 1/8 3/16 280 0546 1/8 1/4 280 0623 1/8 5/16 280 0700 1/8 3/8 280 0854 5/32 9/32 280 0931 5/32 11/32 280 1008 3/16 1/4 280 1085 3/16 5/16 280 1085 3/16 5/16 280 1162 3/16 7/16 280 1239 3/16 7/16 280 1239 3/16 7/16 280 1470 1/4 3/8 280 1547 1/4 7/16 280 1624 1/4 1/2 280 1855 5/16 1/2 280 1855 5/16 1/2 280 2086 3/8 5/8	PART NO. (IN.) (IN.) LENGTH (FT.) 280 0084 1/16 1/8 100 280 0161 1/16 3/16 100 280 0315 3/32 5/32 100 280 0392 3/32 7/32 100 280 0469 1/8 3/16 100 280 0546 1/8 1/4 100 280 0623 1/8 5/16 100 280 0700 1/8 3/8 100 280 0854 5/32 9/32 100 280 0931 5/32 11/32 100 280 1008 3/16 1/4 100 280 1085 3/16 5/16 100 280 1085 3/16 7/16 100 280 1162 3/16 7/16 100 280 1239 3/16 7/16 100 280 1470 1/4 3/8 100 280 1547 1/4 7/16 100 280 1855 5/16	PART NO.(IN.)(IN.)LENGTH (FT.)PSI AT 70°F*280 00841/161/810010280 01611/163/1610020280 03153/325/3210010280 03923/327/3210010280 04691/83/1610020280 05461/81/410020280 06231/85/1610025280 07001/83/810028280 08545/329/3210020280 09315/3211/3210020280 10083/161/41005280 10853/165/1610020280 11623/165/1610020280 12393/167/1610010280 14701/43/81005280 15471/47/1610010280 18555/161/210010280 18555/161/210010280 18555/161/210010280 20093/89/1610010280 21633/83/410015280 22407/165/810010280 22407/165/810010280 22407/165/810010280 22407/165/810010280 22555/83/41005

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 280 0084-100.

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

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.

Cut Size Color And More

Custom Services





Silcon® Medical

Medical Grade Silicone Tubing

- 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



PART NO.	SUGGESTED SIZES FOR PUMPS††	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)
281 0304		.030	.065	.018	`50´
281 0381		1/32	5/32	1/16	50
281 0458	•	.040	.085	.023	50
281 0689		1/16	1/8	1/32	50
281 0766		1/16	3/16	1/16	50
281 0843	•	5/64	1/8	.024	50
281 0920		.104	.192	.044	50
281 0997		1/8	1/4	1/16	50
281 1151		3/16	5/16	1/16	50
281 1228	•	3/16	3/8	3/32	50
281 1305	•	1/4	3/8	1/16	50
281 1382	•	1/4	7/16	3/32	25
281 1459	•	1/4	1/2	1/8	25
281 1536		5/16	7/16	1/16	25
281 1613	•	5/16	1/2	3/32	25
281 1844	•	3/8	5/8	1/8	25
281 1921*		1/2	5/8	1/16	25

*Limited stock availability; lead times and minimums may apply — call for details. Sold by standard coil length only. Add length suffix to part number when ordering. Example: 50 ft. of .030" I.D. x .065" O.D. tubing is part number 281 0304-50. ††Most common peristaltic pump sizes based on I.D. and wall requirements. **BOLD** indicates the critical dimension for fittings 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.



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.



Notes

SILCON 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

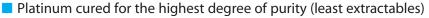
**Values listed are typical for the material used in manufacture, except where noted, and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.



3

Silcon[®] Med-X _





- 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

ID (IN.)	OD (IN.)	WALL (IN.)
.030	.160	.065
1/16	1/8	1/32
1/16	3/16	1/16
1/8	1/4	1/16
1/8	5/16	3/32
3/16	5/16	1/16
3/16	3/8	3/32
1/4	3/8	1/16
1/4	7/16	3/32
1/4	1/2	1/8
5/16	7/16	1/16
5/16	1/2	3/32
3/8	1/2	1/16
3/8	9/16	3/32
3/8	5/8	1/8
1/2	3/4	1/8
5/8	7/8	1/8
3/4	1	1/8
1	1-1/2	1/4
	(IN.) .030 1/16 1/16 1/8 3/16 3/16 3/16 1/4 1/4 1/4 1/4 5/16 5/16 3/8 3/8 3/8 3/8 1/2 5/8	(IN.) (IN.) .030 .160 1/16 1/8 1/16 3/16 1/8 1/4 1/8 1/4 1/8 5/16 3/16 5/16 3/16 3/8 1/4 3/8 1/4 1/2 5/16 7/16 1/4 1/2 5/16 1/2 3/8 1/2 3/8 9/16 3/8 5/8 1/2 3/4

*Limited stock availability; 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



SIZE

(IN.)

application. USP CLASS VI POLYPROPYLENE Y FITTINGS

- Precision molded of FDA-approved polypropylene random copolymer
- Meets USP Class VI standards and compliant with FDA 21 CFR 177.1520
- Longer, more tapered lead barb slides easily into tubing and provides a secure attachment and reduced leakage
- Sterilizable by gamma radiation
- Free of animal-derived ingredients
- No mold parting lines or flashing
- RoHS compliant
- Less costly—ideal for single-use/disposable 1/4 502 7106 502 7120* 3/8 tubing assemblies 502 7148* 1/2
 - *Limited stock availability

PART

NO.

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.

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, heatsealed polybags.

SILCON MED-X should not be used in continuous steam applications.

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

**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.









Silbrade[®]

Braid Reinforced Silicone Hose

- Open mesh polyester braiding incorporated within the walls of silicone tubing
- Designed for elevated pressure applications
- Odorless, tasteless, and inert
- Able to resist extreme temperature variation: -99°F to 350°F
- 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
- Free of BPA, latex and phthalates; RoHS compliant
- Reusable will withstand repeated sterilization^
- Translucent natural color for visual contact with the flow
- Excellent weatherability properties resists U.V., ozone, gases, moisture, and extreme temperatures

PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTHS (FT.)	WORKING PSI AT 70°F	LBS. PER 100 FT.
290 0072	1/8	.365	.120	`10Ó	233	5
290 0149	3/16	.447	.130	100	216	7
290 0226	1/4	.520	.135	100	208	9
290 0303	5/16	.592	.140	100	183	11
290 0380	3/8	.655	.140	100	166	13
290 0457	1/2	.800	.150	50, 100	141	17
290 0534	5/8	.965	.170	50	116	23
290 0611	3/4	1.100	.175	50	91	28
290 0765*	1	1.380	.190	25, 50	75	36

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 (see page 4)
- Oetiker[®] ear type clamps
- Kwik Clamp™ nylon double bond hose clamps
 Worm gear clamps



Did you know . . . ?

Our Sales and Warehouse teams operate until 6 pm, eastern time, Monday through Thursday (Fridays till 5 p.m.).



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**

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
Brittle 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.

5



Silbrade® Medical -

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 under good manufacturing procedures 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
Brittle 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.

www.newageindustries.com

PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	WORKING PSI AT 70°F	LBS. PER 100 FT.
291 0334	1/4	.520	.135	208	9
291 0411	5/16	.592	.140	183	11
291 0488	3/8	.655	.140	166	13
291 0565	1/2	.800	.150	141	17
291 0719	3/4	1.100	.175	91	28
291 0873	1	1.380	.190	75	36

Sold by standard coil length only (25 ft.). Add length suffix to part number when ordering. Example: 25 ft. of 1/4" I.D. hose is part number 291 0334-25.

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.





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.

Did you know . . . ?

Our number of Technical Sales Representatives is twice the industry average.



Silbrade® Platinum

Platinum Cured Braid Reinforced Silicone Hose

- 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

PART NO.	ID (IN.)	OD (IN.)	WORKING PSI AT 70°F	LBS. PER 100 FT.
292 1023	1/4	1/2	140	7.7
292 1044	3/8	5/8	140	10.2
292 1065	1/2	7/8	105	21.1
292 1086	3/4	1-1/8	90	28.7
292 1107	1	1.405	60	40.1

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.

BOLD indicates the critical dimension for fittings application.



Custom Services Cut Color Size And More Call for more information 800-506-3924

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.

Did you know . . . ?

Our overall **product quality** has averaged **99.8% defect free** over the last ten years.



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**

Hardness, Shore A ±5 – Liner	70
Hardness, Shore A ±5 – Cover	60
Tensile Strength, psi	1320
Elongation at Break, %	630
Tear Resistance, Die B, ppi	320
Modulus at 100%, psi	500
Brittle Temperature, °F	-100
Maximum Operating Temperature, °F	400

**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.

More NewAge Industries Products









Tubing & Hose

PVC Polyurethane Silicone Fluoropolymer Nylon **Polyethylene** Polypropylene TPR Viton™ Latex **Hvtrel**[®]

Custom Services

Cut Size Color Coil Overbraid Hot Bond®

Assemblies Hardness

More

Heat Form



Fittings & Clamps for Silicone

- 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.

Cam Operated Couplings - Molded from alass-fiber reinforced nylon or glass-fiber reinforced polypropylene. Sizes from 1/2" to 4" in 8 styles.

- Oetiker® Ear Type Clamps Stainless steel or zincplated 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.

Tubing & Hose Cutting Tools





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



DISTRIBUTOR PARTNER



145 James Way Southampton, PA 18966 www.newageindustries.com

800-50-NEWAGE (800-506-3924)215-526-2300 Fax: 800-837-1856 215-526-2190 info@newageindustries.com