



# NATIONWIDE PLASTICS, INC.

The Authority on Plastics Manufacturing and Distribution



## Silbrade® Braid Reinforced Silicone Hose



### Physical Properties\*\*

Hardness, Shore A  $\pm 5$  - Core 70  
 Hardness, Shore A  $\pm 5$  - Cover 60  
 Tensile Strength, psi 1000  
 Elongation at Break, % 350  
 Brittle Temperature, °F -80  
 Max. Operating Temp., °F 350

SILBRADE
70
60
1000
350
-80
350

\*\* Values listed are typical 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

ID (IN.)	OD (IN.)	STANDARD LENGTH (FT.)	WORKING PSI AT 70°F	BURST PSI AT 70°F*	LBS. PER 100 FT.	PART NO.
1/8	.365	100	233	699	5.0	130072
3/16	.447	100	216	648	7.0	130149
1/4	.520	100	208	624	9.0	130226
5/16	.592	100	183	549	11.0	130303
3/8	.655	100	166	498	13.0	130380
1/2	.800	100	141	423	17.0	130457
5/8	.965	50	116	348	23.0	130534
3/4	1.100	50	91	273	28.0	130611
1	1.360	50	75	225	36.0	130765

Cut coils are available; charges do apply – call for details. Product samples are available upon request.  
 \*The burst pressure can be expected to decrease by at least 20% for each 200°F increase up to 350°F.

- MEDICAL & DENTAL EQUIPMENT • PHARMACEUTICAL PROCESSING
- LABORATORY USES • INSULATION SLEEVING • THERMAL PROTECTION
- COMPUTERS • APPLIANCES • FOOD HANDLING • BEVERAGE & DAIRY SERVICE
- DUPLICATING EQUIPMENT • GASKETS, SEALS & O-RINGS • HOT FILL & VACUUM SYSTEMS • STIRRING VESSELS • FERMENTER LINES • LIQUID RESIN FEEDS • VISCOUS MATERIAL HANDLING • PERISTALTIC PUMPS • ADHESIVE LINE
- STERILE BOTTLE FILLING • DEIONIZED WATER TRANSFER IN STEAM LINES
- SURGICAL DRAINS • I.V. ADMINISTRATION • BLOOD & BIOLOGICAL FLUID HANDLING • DIALYSIS • CLEAN ROOMS • CELL CULTURING • VACCINE TRANSFER • AEROSPACE • PERSONAL CARE PRODUCTS • CHEMICAL TRANSFER
- AUTOMOTIVES • AND MORE



TUBE SNIP CUTTER  
 Part No: 39000

The Excelon Tube Snip Cutter easily makes clean, smooth cuts and works well with Silbrade reinforced silicone hose.

Also available, Excelon Tube Snip Cutter Replacement Blades (Part No: 38000).

- Made from FDA-sanctioned ingredients
- Open mesh polyester braiding incorporated within the walls of silicone tubing
- Translucent natural color for visual contact with the flow
- Able to resist extreme temperature variation: -80°F to 350°F
- Odorless, tasteless, and inert
- Excellent weatherability properties – resists U.V., ozone, gases, moisture, and extreme temperatures
- Offers far higher pressure capabilities than similarly sized unreinforced silicone tubing
- 100% incineration approved by Scientific Ecology Group (S.E.G.)

SILBRADE enables silicone tubing to handle increased pressure applications.

The flexible design and lightweight construction of SILBRADE allows excellent bend radii and permits installation in restricted spaces without impeding flow.

SILBRADE, a peroxide-cured product, contains no sulfur or other acid-producing chemicals, which eliminates the possibility of staining, corroding, or deteriorating other materials it contacts.

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, become gummy, and should be replaced.



Thermoplastic Processes, Inc.  
 1268 Valley Road, P.O. Box 188  
 Stirling, NJ 07980-0188  
 Ph: (888) 554-6400 • (908) 561-3000  
 Fax: (800) 874-3291 • (908) 753-6749  
 www.thermoplasticprocesses.com

Dallas, Texas (Corporate Offices)  
 Houston, Texas  
 Brandon, Mississippi

phone 800-782-1836 / 214-239-3870  
 phone 800-282-4388 / 713-979-0660  
 phone 800-457-8623 / 601-825-7919

fax 214-239-3871  
 fax 713-979-0664  
 fax 601-825-7109