



NATIONWIDE PLASTICS, INC.

The Authority on Plastics Manufacturing and Distribution



Silbrade Medical[®] Medical Grade Braid Reinforced Silicone Hose



Physical Properties**

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

SILBRADE
MEDICAL

** 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 MEDICAL

ID (IN.)	OD (IN.)	WORKING PSI AT 70°F	BURST PSI AT 70°F*	PART NO.
1/8	.365	233	699	140180
3/16	.447	216	648	140257
1/4	.520	208	624	140334
5/16	.592	183	549	140411
3/8	.655	166	498	140488
1/2	.800	141	423	140565
3/4	1.100	91	273	140719
1	1.360	75	225	140873

Sold by standard coil length only (25 ft.). Product samples are available upon request.
*Burst pressures can be expected to decrease by at least 20% for each 200°F increase up to 350°F.

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TUBE SNIP CUTTER
Part No: 39000

The Excelon Tube Snip Cutter easily makes clean, smooth cuts and works well with Silbrade Medical silicone hose.
Also available, Excelon Tube Snip Cutter Replacement Blades (Part No. 38000).

- All ingredients are non-toxic and FDA-sanctioned for use with food contact surfaces
- Open mesh polyester braiding incorporated within the walls of silicone tubing
- Silicone elastomer meets USP class VI requirements
- Translucent natural color for visual contact with the flow
- Able to resist extreme temperature variation: -80°F to 350°F
- Odorless, tasteless, and inert

The SILBRADE MEDICAL hose is made of a core of silicone elastomer, an open polyester braid reinforcing layer, and a cover layer of silicone elastomer. Lot traceability, are applicable to all Class VI ingredients.

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 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.

The peroxide-cured SILBRADE MEDICAL hose is supplied in individual, non-sterile, heat-sealed polybags and should be sterilized prior to use.

Note: SILBRADE MEDICAL is not recommended for implant or in-body uses. Care is recommended in the selection and application of fittings and clamps. Sharp, barbed fittings or unlined metal clamps could tear into the hose wall and cause possible failure, especially at elevated pressures.



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