



# NATIONWIDE PLASTICS, INC.

The Authority on Plastics Manufacturing and Distribution



## Silvac<sup>®</sup>

### Polyester & Wire Reinforced Silicone Suction Hose



#### Physical Properties\*\*

	CORE	COVER
Hardness, Shore A $\pm 5$	60	60
Tensile Strength, psi	1200	1150
Elongation at Break, %	350	425
Brittle Temperature, °F	-80	-80
Max. Cont. Op. Temp., °F	350	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.

#### SILVAC

OD (IN.)	STANDARD LENGTH (FT.)	WORKING PSI AT 70°F	BURST PSI AT 70°F*	LBS. PER 100 FT.	PART NO.
.860	5, 10	200	800	21	340074
1.110	5, 10	200	800	28	340151
1.360	5, 10	200	800	36	340228
1.610	5, 10	200	800	43	340305
1.861	5, 10	200	800	50	340382
2.360	5, 10	175	700	65	340536

Sold by standard length only. 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.

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TUBE SNIP CUTTER  
Part No: 39000

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

Also available, Excelon Tube Snip Cutter Replacement Blades (Part No: 39000).

- All ingredients are non-toxic and FDA sanctioned for use in food contact surfaces
- Polyester woven fabric and spiral wire reinforcement in walls of silicone elastomer
- Offers full vacuum capability at elevated temperatures (29.9 in./Hg.)
- Silicone elastomer meets USP Class VI requirements
- Able to resist extreme temperature variation: -80°F to 350°F
- Odorless, tasteless, and inert
- Flexible, yet crush and kink resistant
- Manufactured in a controlled environment on dedicated equipment

SILVAC offers the excellent temperature resistance of silicone in a vacuum-rated hose (29.9 in./Hg at 70°F). The hose construction allows strong vacuum at elevated temperatures (sample testing is recommended). SILVAC is made of mandrel-wrapped layers of polyester-reinforced silicone elastomer incorporated around a spiral-wound reinforcing wire.

Each SILVAC length is individually packaged in a heat-sealed polybag. Platinum curing (for reduced extractables) is available through minimum order.

SILVAC may be low-pressure steam sterilized in-line or autoclaved at up to 250°F in a normal autoclaving cycle. Its smooth bore facilitates easy cleaning and system purging. (However, if exposed to repeated steam sterilization or long-term high temperature or pressure, silicone will eventually relax, become gummy, and should be replaced.)

Note: 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.



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