

Silbrade® Platinum

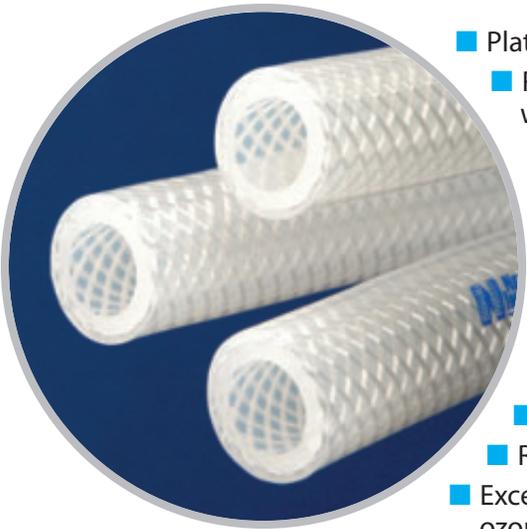
Platinum Cured Braid Reinforced Silicone Hose



ESOP Employee Owned
for Your Benefit

Fluid Transfer Specialists®

Platinum Cured Braid Reinforced Silicone Hose



- Platinum cured for the highest degree of purity
- 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
 - Open mesh polyester braiding incorporated within walls of silicone offers increased pressure capabilities
 - Able to resist extreme temperature variation: -100°F to 400°F
 - Translucent natural color for visual contact with the flow
 - Kink resistant yet highly flexible
- Reusable — will withstand repeated sterilization[^]
- Excellent weatherability properties — resists U.V., ozone, gases, moisture, and extreme temperatures
 - Manufactured in a controlled environment
 - Free of BPA, latex and phthalates
 - RoHS compliant



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. 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.

Recommended Fittings & Clamps

- Thermobarb® barbed fittings
- Oetiker® ear type clamps
- Kwik Clamp™ nylon double bond hose clamps
- Worm gear clamps

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.



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.

Custom Services

- Cut
- Overbraid
- Size
- And More

Call for more information
800-506-3924

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