

# Technical Data Sheet

## Silicone Platinum Braided Hose



### Material

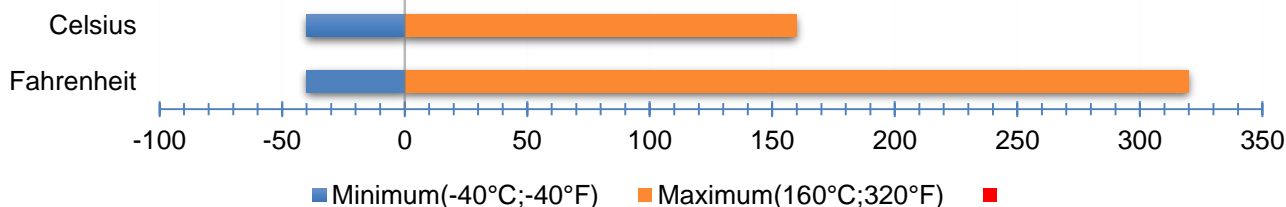
Platinum Silicone Hose with Polyester reinforcement



### Available Grades

NGP70

### Temperature Range



## General Information

Platinum vulcanised braided hose (platinum on internal and external silicone layer). This product holds excellent mechanical properties constantly over the entire temperature range.

The product is UV and Ozone resistant, resistant to many chemicals and has a very good fire resistance. It holds non-toxic combustion gases and is completely free of plasticisers.

We can confirm the materials used within the product comply to XV BFR, CFR 21 FDA § 177.2600, EC 1935/2004 as well as USP Class VI and are manufactured with the best production practices to ensure compliance.

## Environmental Resistance

Silicone rubber products have an excellent resistance to:

- Ozone
- Oxidation
- Ultraviolet light
- Corona discharge
- Cosmic radiation
- Ionising radiation
- Weathering in general

This information and our technical advice, whether verbal, in writing or by way of trials, is given in good faith but without warranty. This also applies where proprietary rights are involved. Our advice does not release you from the obligations to check its validity and to test our products as to their suitability for their intended use. The storage, application and use of our products are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with our General Conditions of Sale. The information contained within this data sheet is subject to change without notice. Issue date 01.01.2019.

SILEX SILICONES LTD

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## Availability Format

- Supplied in continuous coils of 25 or 50m
- Available with glass fibre and other reinforcements on request
- Cut lengths available

## Available Sizes

Size*	Burst Pressure**
3.00(±0.2)x2.50(±0.2)	60 Bar
4.00(±0.3)x2.50(±0.3)	50 Bar
5.00(±0.3)x3.20(±0.3)	40 Bar
6.00(±0.3)x2.95(±0.3)	40 Bar
8.00(±0.3)x3.20(±0.3)	40 Bar
9.50(±0.3)x3.20(±0.3)	35 Bar
12.50(±0.3)x3.20(±0.3)	35 Bar
16.00(±0.3)x4.80(±0.3)	30 Bar
19.00(±0.4)x5.80(±0.3)	25 Bar
25.00(±0.4)x6.00(±0.3)	15 Bar

\* Sizes are IDxWall and in mm

\*\* Burst pressure at room temperature, medium water

## Typical Applications

- Automotive
- Domestic & Commercial
- Catering
- Electronics
- Construction
- Energy
- Food & Beverage
- Heating and Ventilation (HVAC)
- Industrial
- Insulation
- Lighting
- Marine

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## Mechanical Properties

Property	Standard	Result
Hardness [Shore A]	DIN53505	70° ± 5
Material Inner Sleeve		Platinum Silicone Transparent
Material Reinforcement		Polyester-Multifilament
Material Coating		Platinum Silicone Transparent

## Accreditations

Silicone Compounds used are:

- FDA 21 CFR 177-2600 compliant
- EU 1935/2004
- USP Class VI Compliant
- BfR compliant

## Additional Information

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