

## Contact us

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## Certified management system by:

- IATF16949
- ISO9001
- ISO13485
- ISO14001
- ISO50001



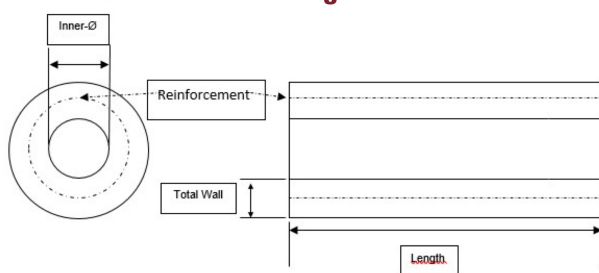
TECHNICAL DATASHEET

## INDUSTRIES AND APPLICATIONS



# Silicone Pressurehoses platinum cured

## BIW Pressure Hose Design Sketch



Reinforcement	Temperature resistance	Possible inner Ø up to
Textile glass (glass fibre)	-40°C to 180°C (240°C special formulation)	50 mm or 2"

## Product description

Silicone pressure hoses are distinguished by outstanding resistance to aging, UV radiation, ozone and weather, as well as very good resistance to gamma rays. They have satisfactory resistance to aliphatic motor and transmission oils and have limited resistance to fuels, chlorinated hydrocarbons, esters, ketones and ethers, as well as strong acids and alkalis. Silicone has a high rate of permeability. It is possible to select between the standard cross-linking (peroxide cross-linking) and the especially high-grade additional cross-linking (platinum catalyzed) for all sizes and reinforcement types. The standard hardness is 70±5 Shore A. Other hardness levels are possible on request. Pressure hoses can be produced in nearly any desired color.

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Inner-Ø [mm]	Wall thickness [mm]	Outer-Ø [mm]	Bending radius [mm]	Burst pressure [bar]□	Vacuum [mbar abs.]
6.0	3.0	12.0	50	40	150
8.0	3.2	14.4	60	40	150
9.5	3.2	15.9	70	35	150
12.7	3.2	19.1	80	30	150
19.0	5.5	30.0	150	20	200
25.0	6.0	37.0	185	15	250

## Properties of the silicone materials

Additional cross-linking (platinum catalyzed)

Additionally cross-linked silicone is distinguished by its high level of purity. Therefore, this quality is especially suitable for hoses that are used in the food sector (Recommendation XV of the BfR [Federal Institute for Risk Assessment] and CFR21 FDA177.2600), drinking water sector (KTW, WRAS, W270) and in the medical or pharmaceutical sector (EP3.1.9, USP Class VI).

## Properties of different reinforcements

Reinforcement	Resistance to hydrolysis	Elongation @ break	Bending stress	Dynamic load capacity
Glass fibre	+	-	0	0