



Data Sheet S019

Silflex Limited

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High Temperature Silicone Hose With Glass cloth Reinforcement

General Use

Silflex high temp hose has been specifically designed for the demanding requirements of higher temperature applications, above the range of normal silicones. Available in simple shapes ONLY e.g. Straights and straight reducers.

Working Temperature Range: -50°C to +300°C

Working pressures: Dependant on hose construction and customer requirements.

Construction

Plies of high temperature silicone, reinforced with glass cloth fabric. The number of plies will vary depending on the working pressure, bore size, and required wall thickness. A galvanised spring steel wire helix may also be added for high or low pressure applications, or where extra flexibility is required.

Materials Specifications

High Temperature Silicone Rubber Compound

Hardness	50+/-5°IR%IRHD
Specific Gravity	1.16+/-1 g/cm ³
Tensile Strength	7MPa (Min)
Elongation @ Break	250% (Min)
Tear Strength	15 kN/m (Min)
Colour	Dark Grey Only

The above physical properties refer to a test sheet press cured for 8 minutes at 115°C and post cured for 4 hours at 200°C. Tested to the relevant BS903 standard

Glass cloth Fabric

Description	Woven Glassfibre
Yarn Type	Cont. Filament Glass
Finish	To BS3396 Pt 2.

Spring Steel Wire Helix (where applicable)

Constructed from galvanised spring steel wire (to BS5216 HS3) at a spacing of 2-3 tpi, and buried between the plies.

Certificates Of Conformity

Certificates of conformity can be supplied with deliveries if required.

Registered in England No. 2569811



FM33476

Currie & Warner Group

