



Silicone hose systems designed
for precision and performance

DS006

Silicone Turbocharger Hose With Aramid Reinforcement

For more information or data, please visit www.silflex.com or contact us
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General Use

Silflex turbocharger hose has been specifically designed for the demanding requirements of truck, bus and rail applications. It is primarily designed for use in turbocharger systems. It can however be used in many other applications where the properties of silicone are preferable to those of other rubbers, where a flexible joint is required between rigid pipe work, or where higher working temperatures compared to standard silicone/polyester are required.

Working Temperature Range: -50°C to +250°C.

Working Pressures: Dependant on hose construction and customer requirements.

Construction

Plies of silicone, reinforced with Aramid 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

Material Specifications

Colour: Various (R.I.O. as Standard)

Hardness (IHRD): 65 ± 5

Specific Gravity (g/cm³): 1.18 ± 0.05

Tensile Strength (Mpa): 8.6

Elongation at Break (%): 308

Tear Strength (KN/m): 13

The above physical properties refer to a test sheet press cured for 5mins at 115°C, and post cured for 4 hrs @ 200°C. Tested to the relevant BS903 standard.

Fluid resistance figures can be supplied on request.

Knitted Aramid fabric

Description: Fine Mesh

Yarn Type: 100% Aramid

Finish: Scour & Set (with Resin)

Bursting Strength (Fabric) (7.98cm Dia. Ring): 258 Kpa

Weight: 115g/cm²

Extensibility at Burst: 25-35%

Other Aramid fabrics are also available depending on the working parameters of the hose.

Spring steel wire helix (where applicable)

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

Certificates of Conformity

Certificates of conformity can be supplied with deliveries if required.