



Silicone hose systems designed
for precision and performance

DS009

Silicone/silicone/polyester covering over conventional metal

braided hose

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

There are many occasions where the use of a smooth silicone cover over hoses made in different materials, particularly hoses that have metal braid, can be of great benefit to the user. Silflex hose covering therefore meets the following needs:

- It provides a smooth surface that does not allow dirt to collect in the braid wires.
- With a temperature range of up to 170°C, it can be repeatedly washed or steam cleaned.
- It protects the hands from possible broken braid wires.
- Supplied in a range of colours, it can give hoses colour coded identification.

Working temperature range: -50°C to +180°C.

Construction

1, or 2 plies of silicone/polyester applied over the braid, at a standard thickness of 1.5mm.

Material Specifications

Silicone Rubber Compound

Colour: Various (blue 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 5 mins at 115°C. Tested to the relevant BS903 standard.

Fluid resistance figures are available on request.

Knitted Polyester Fabric

Description: Fine mesh

Yarn type: 100% polyester

Finish: Scour & set

Bursting strength (fabric)

(7" internal dia. ring): 33 psi

Extensibility at burst: 60%

Thickness: 0.022" (0.56mm)

Variants

Translucent FDA approved silicone rubber: For food use.

Nomex fabric reinforced: Temperatures of up to 220°C

Fluorosilicone rubber: Oil, fuel applications

Certificates of Conformity

Certificates of conformity can be supplied with deliveries if required.

