



Silicone hose systems designed
for precision and performance

DS001

FDA Approved Translucent Silicone/ Polyester Hose with Wire Helix Reinforcement

For more information or data, please visit www.silflex.com or contact us by phone: +44 (0) 1443 238 464 or email: hosesolutions@silflex.com



General Use

Silflex translucent hose has been specifically designed for food, brewery and chemical applications. The wire helix is used if the hose is likely to be subjected to negative pressures, or where improved flexibility is required.

Working Temperature Range: -60°C to +180°C.

Working Pressures: Dependant on hose construction and customer requirements.

Construction

Plies of FDA approved translucent silicone, reinforced with polyester fabric. If used, the galvanised spring steel or stainless-steel wire helix is buried between the plies and is not exposed to the inner bore or to the outside of the hose. The number of plies will vary depending on the working pressure, bore size, and required wall thickness. Hoses are available with smooth an inner and a smooth, convoluted or castellated outer, depending on the flexibility required.

Material Specifications

FDA Approved Translucent Silicone Rubber Compound

Colour	:	Translucent
Hardness (IHRD)	:	60 ± 5
Specific Gravity (g/cm ³)	:	1.18 ± 0.05
Tensile Strength (Mpa)	:	11
Elongation at Break (%)	:	630
Tear Strength (KN/m)	:	42

The above physical properties refer to a test sheet press cured for 10mins at 175°C, and post cured for 4 hrs @ 200°C.

The ingredients used to formulate this silicone rubber are compositionally compliant with FDA regulation 21CFR177.2600, Rubber articles intended for repeated use in contact with food and the BfR recommendation XV "Silicone"

Knitted Polyester Fabric

Description	:	Fine Mesh
Yarn Type	:	100% Polyester
Finish	:	Scour & Set
Bursting Strength (Fabric) (7" Internal Dia. Ring)	:	33psi
Extensibility at Burst	:	60%
Thickness	:	0.022" (0.56mm)

Spring Steel Wire Helix (where applicable)

Constructed from galvanised spring steel wire (to BS5216 HS3) or Stainless-Steel Wire (to BS2056) 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