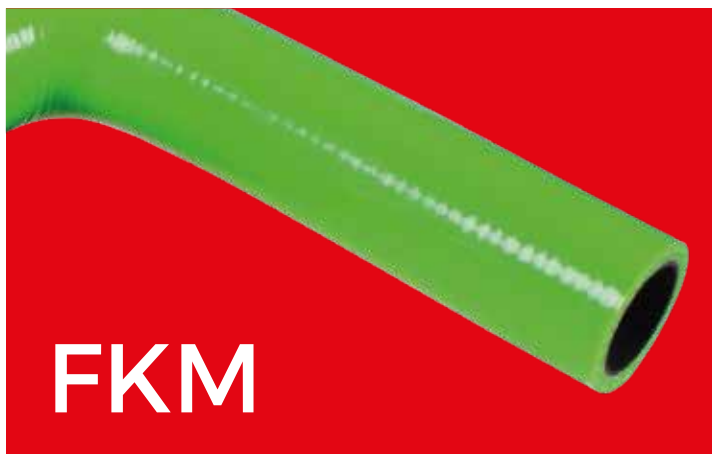




SPECIALIST OEM SUPPLIER OF HOSES TO THE BUS AND TRUCK INDUSTRY



OEM SUPPLIER



SILCELL

Designed for use in applications where high purity of the fluid being transported, is important. Silcell is also suitable for use in potable water, food and pharmaceutical applications.

Silcell, is a silicone, polyester reinforced hose, with a high-grade food/ pharmaceutical quality liner. The liner material contains no pigment or other additives typically found in standard silicone compounds. This significantly reduces or eliminates the risk of contamination from siloxanes, oils and catalyst bi-products, which can be an issue with standard silicone hoses.

Not recommended for use with OAT coolants or,containing 2-EHA (2-Ethylhexanoic Acid) for example, Dexcool.

Technical details

3, 4 or 5 ply construction depending on inner diameter.

2.0mm minimum liner – hose can be any colour in the outer plies and cover.

Polyester fabric reinforcement.

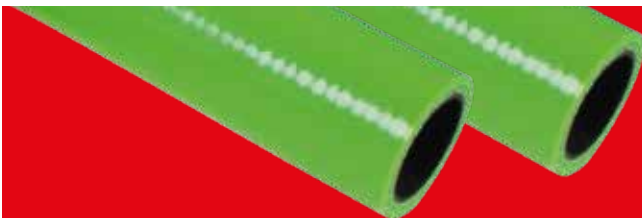
Temperature range: -55°C up to +180°C

Working pressure: 4 bar minimum. *Varies according to diameter, higher pressure is possible with smaller diameters.

Finished hoses cannot be used for implants.

Inner liner conforms to:

- German KTZ drinking water regulation Part 1.3.13
- Tested to USP class VI
- Food contact according to:
German BGVV XVA and LIIA
US-FDA-CFR21 – part 177.2600



FKM

Leyland hose & Silicone Fluorocarbon lined hose (FKM) is a high performance hose suitable for a wide variety of applications. Our FKM lined hose, is manufactured using the highest quality Fluorocarbon available. Areas of use include:

- High temperature use up to 230°C
- Resistance to a wide range of chemicals
- EGR systems
- Resistance to OAT coolants
- Prevents siloxanes and peroxide bi-products being extracted from silicone

Fluorocarbon specification:

Hardness: 70 Shore A

Tensile: 10 (MPa)

Elongation (Min)%: 175

Change in hardness: +/- 15 Shore A
(70 hrs at 250°C)

Compression set (%): 35 (Maximum)
(22hrs @ 175°C)

Silicone outer layers:

A variety of specifications can be used depending on service application.

Hardness range: 50 – 75 Shore A

Temperature range: -55 to +230°C

Fabric reinforcement: Polyester, Meta-aramid or fibreglass

Colour: Any



PLATINUM CURED

Leyland hose & Silicone Platinum cured, silicone hose, is designed for use in applications where extreme purity of the transported fluid or substance, must be maintained.

PCSH

Leyland Hose and Silicone PCSH grade offers:

- High purity, low extractable bi-products such as chlorosilanes. No chlorophenyls and PCB's

Conforms to:

- US FDA-CFR 21 Part 177.2600
- German BGVV XVA LIIA
- German KTZ regulation part 1.3.13

Available in a range of hardness from 50 - 70 Shore A

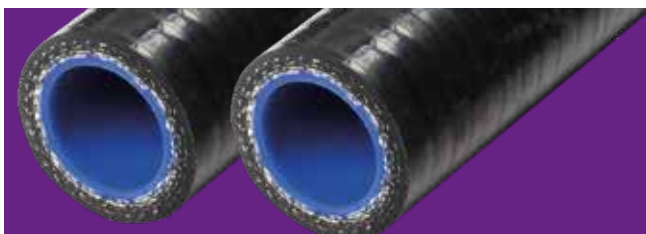
- Un-reinforced or, reinforced with either polyester or meta-aramid fabric
- Working pressure: 5 bar (32mm ID reinforced)

Note: pressure varies with diameter or reinforcement

- Colour: Clear / translucent

Benefits of LHSS PCSH

- No contamination of water or other fluid, air or solid medium passing through the hose.
- Reduced risk of deposits reducing efficiency in certain fuel cell applications
- Excellent transparency allowing the passing fluid / product to be visually monitored
- Can be used for Food, Pharma, Potable water and any application where purity must be



CONDUCTIVE

Leyland hose & Silicone conductive hose is available in a range of specifications and is designed to provide EMI, RFI shielding and prevent or reduce the build-up of potentially harmful and dangerous static in certain applications.

Static build up can be an issue for example, in certain vehicle energy recovery systems. Our fluorosilicone lined version, can be used, in applications where mineral oil or OAT coolants are used.

Leyland Hose and Silicone CSH grade offers:

- Low temperature flexibility
- High temperature (Up to 230°C) stability
- Thermal conductivity (Typical volume resistivity 3.0ohm/cm)
- Electrical conductivity
- Weatherability Available in a range of hardness from 50 - 75 Shore A
- Reinforced with either polyester or meta-aramid fabric for high temperature use
- Working pressure: 4 bar (50mm ID)
Note: pressure varies with diameter
- Colour: Black



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