

ABOUT

TEFLON HOSES

Singaflex Teflon Hoses are made with Polytetrafluoroethylene (PTFE) and provides outstanding resistance to a wide variety of materials and temperature. A key trait of our PTFE hoses are its hydrophobic properties, allowing it to not retain odour or colour when it conveys sensitive mediums (i.e. food products).

Being exceptionally stable in its composition, Singaflex Teflon Hoses provides reliability coupled with long operating and shelf life.

Operating Temperature
-70°C to 260°C



Customisation

01 | Tube Type

- Convoluted
- Smooth Bore

03 | Braid Material / Cover

- SS304
- SS316
- Polypropylene
- PVDF
- EPDM (Cover)
- Silicon (Cover)

02 | Tube Properties

- Antistatic (Carbon Black added)
- Non-Conductive Virgin

04 | End Connection / Fittings

- Flared Through
- Crimped On

Reduced Costs

Hose life of Singaflex Teflon Hoses can surpass that of conventional rubber hoses, this reduces the actual per hour operational costs of using teflon hoses than rubber hoses.

Durability

PTFE can withstand flexing and vibration without failure from flex fatigue as well as alternating cold and hot cycling.

With PTFE being chemically inert, it will not break down or deteriorate in service, and it has an unlimited shelf life because properties do not change with age or exposure to weather.

Flow

An extremely low coefficient of friction (0.05 to 0.20) provides a non-stick surface. Water absorption of PTFE is negligible, less than 0.01% by ASTM test, making it easy for cleaning and sterilisation.

Due to the low coefficient of friction, teflon hoses reduce deposit build up enabling flow rates to stay high and fluids to stay pure.

Safety and Compatibility

Being chemically inert, it is safe and suitable for handling many service applications dealing with “problem” fluids such as acids, hydraulic fluids, solvents, fuel and chemicals of all types.

Teflon hose can also withstand steam rates up to 250 PSI.

Lightweight

Singaflex Teflon Hoses are easier to move, handle and install as compared to rubber hoses with a comparable burst pressure rating. Teflon hoses are ideal as pigtail in gas handling and pneumatic systems where dew point must be low.

Applications

Aerospace, Automotive, Chemical, Industrial