SILFLEX

Silicone hose systems designed for precision and performance

DS013

Heat shrinkable fabric tubing for abrasion resistance

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

MADE IN BRITAIN®

General Use

Made of very flexible heat-shrinkable fabric material. Designed primarily to provide mechanical abrasion protection for components such as rubber hoses, plastic pipes, and harness wiring bundles, but also suitable for other applications, such as noise and rattle suppression.

- Heat-shrinkable, to grip substrates tightly without additional fixing.
- Outstanding abrasion resistance over a wide temperature range.
- Resistance to harsh environments.
- Multifilament construction that ensures soft, safe handling.
- Highly flexible construction for easy installation onto awkward substrates such as bent hoses.

Operating Range

Operating temperature range (3000 hours): -40°C to 125°C
Operating temperature range (1000 hours): -40°C to 150°C
Minimum recovery temperature: 110°C (recommended recovery temperature 140°C to 190°C)

Material Description

Warp / Weft material: Polyester / Irradiated, modified polyolefin
Coating: Modified polyolefin
Fabric wall thickness: Approximately 1 mm (0.039 in).
Colour: Black

Typical Performance

Property	Test condition(s)	Performance
Abrasion resistance (200g load, 0.3mm radius metal blade, 10Hz, 10mm stroke144 000 cycles)	23°C 80°C 135°C	No wear to underlying rubber hose No wear to underlying rubber hose No wear to underlying rubber hose
Thermal ageing	3000 hrs at 125°C 1000 hrs at 150°C	No deterioration in abrasion resistance No deterioration in abrasion resistance
Flammability	MVSS302	Pass
Low temperature flexibility	4 hours at -40°C, 10 x diameter mandrel	No Cracking
Cold Impact	200g weight from 100mm at 40°C	No Cracking
Temperature/humidity cycling		No deterioration in abrasion resistance
Thermal shock	100 cycles between -40°C and 125°C	No deterioration in abrasion resistance
Fluid Resistance	24hr Immersion at 23°C	No deterioration in abrasion resistance
Antifreeze (50% ethylene glycol)		

Engine oil (SAE 10w/30)
Mineral hydraulic fluid
Detergent (1% Teepol)
Brake fluid (DOT 4)
Unleaded gasoline
Diesel fuel
Battery acid (1.25 SG H2SO4)

Certificates of Conformity

Certificates of conformity can be supplied with deliveries if required.