

Description

Composite hose made from polypropylene fabrics and films with an abrasion resistant PVC coated fabric cover, reinforced with internal and external wire helices. The hose is lined with layers of PTFE film. The hose can be covered with rope lagging for external protection if required.

Principal Applications

Solflon is suitable for the transfer of the most aggressive chemicals and searching solvents. The PTFE liner has a low co-efficient of friction making the hose also suitable for the conveyance of high viscosity products such as paint.



Standards

Manufactured to the specifications where applicable to EN 13765 Type 2

Temperature

Depending on the conveyant -30°C to +100°C

Special application

Solflon can be supplied with SS 316L outer wire also. This hose is called Solflon S. (Red outer cover with yellow strip). Solflon can be supplied with PP coated inner wire also. This hose is called Solflon P. (Red outer cover with Parrot green strip).

Construction

Inner wire : SS 316L

Lining : Polypropylene Fabric

Outer cover : PVC Coated Terylene Weave Fabric

Colour Code : Red outer cover with white stripe

Outer Wire : Galvanised zinc coated mild steel

Physical Properties

Max. Elongation : 10% on proof pressure

Maximum Twist : 10°/mtr

Vacuum range : 0.9 bar

Electrical resistance : 2.5 Ohms/mtr < 2" Hose
1.0 Ohms/mtr > 2" Hose

Specification

| Bore diameter | | Bend radius | | Max work. pressure | | Weight / meter | | Maximum length | |
|---------------|------|-------------|------|--------------------|-----|----------------|------|----------------|------|
| mm | inch | mm | inch | psi | bar | Lbs/Ft | kg/m | meter | Feet |
| 25 | 1 | 90 | 3.5 | 150 | 10 | 0.67 | 1.00 | 30 | 100 |
| 38 | 1.5 | 120 | 4.7 | 150 | 10 | 1.08 | 1.60 | 30 | 100 |
| 50 | 2 | 150 | 5.9 | 150 | 10 | 1.34 | 2.00 | 30 | 100 |
| 65 | 2.5 | 180 | 7.1 | 150 | 10 | 1.81 | 2.70 | 30 | 100 |
| 75 | 3 | 250 | 9.8 | 150 | 10 | 2.15 | 3.20 | 30 | 100 |
| 100 | 4 | 350 | 13.8 | 150 | 10 | 3.56 | 5.30 | 30 | 100 |

Minimum Burst Pressure: 4 times Working Pressure (safety factor 4:1)

NOTE: This information is for guidance only, dimensions and weights shown are approximate. We reserve the right to alter or amend specifications as deemed necessary.