

Description

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

Principal Applications

Solchem is suitable for the transfer of various acids and alkalines where the conveyant may be corrosive to the galvanised inner wire. Solchem-S has the added suitability for applications involving corrosive atmosphere and splash.



Standards

Manufactured to the specifications where applicable to EN 13765 Type 2

Temperature

Depending on the conveyant -30°C to +80°C

Special application

Solchem can be supplied with SS 316L outer wire also. This hose is called Solchem-S

Construction

Inner wire : SS 316L

Lining : Polypropylene Fabric

Outer cover : PVC Coated Terylene Weave Fabric

Colour Code : Orange 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.