

Description

Composite hose made from polypropylene fabrics and films with an abrasion resistant PVC coated fabric cover, reinforced with internal and external wire helixes.

Principal Applications

Transchem is suitable for the transfer of acids and alkalines. Transchem-S has the added suitability for applications involving corrosive atmospheres and splash. Note:Electrical continuity can be maintained for this hose by baring the inner wire (i.e. removing the polypropylene coating) near the fitting to allow positive connection of the wire to the fitting. This process however may introduce a potential corrosion path to the inner wire so care needs to be taken.



Standards

Manufactured to the specifications where applicable to EN 13765 Type 2

Temperature

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

Special application

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

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	0.87	1.30	30	100
38	1.5	125	4.9	150	10	1.08	1.60	30	100
50	2	160	6.2	150	10	1.34	2.00	30	100
65	2.5	180	7.0	150	10	1.81	2.70	30	100
75	3	220	8.6	150	10	2.35	3.50	30	100
100	4	350	13.7	150	10	3.36	5.00	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.

Construction

Inner wire : Polypropylene coated mild steel

Lining : Polypropylene Fabric

Outer cover : PVC Coated Terylene Weave Fabric

Colour Code : Grey 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