

PTFE 300



COMPOTEC®

COLOUR	Red
WIRES	AISI 304 Stainless steel internal wire (X)
	Galvanised carbon steel external wire (Z)
	Also available with 304 Stainless Steel external wire (X), 316 on request.
CONSTRUCTION	<p>COMPOTEC® PTFE 300 is a multi-layer thermoplastic hose designed around several PTFE (Polytetrafluoroethylene) liners, supported by a Stainless Steel inner wire, with a weather-proof and abrasion resistant outer cover made of Polymeric coated Polyester fabric. Outer cover is also available in a special PU coated fabric; its UV, Ozone, Sunlight and weathering resistance, offers superior temperature and abrasion characteristics.</p> <p>COMPOTEC® PTFE 300 includes in the construction an FEP tubular extruded film to avoid any possible leak and guarantee a gas-tight construction. All the different layers are wrapped together and tensioned between internal and external wire spirals.</p>



CHARACTERISTICS AND APPLICATIONS

COMPOTEC® PTFE 300 is manufactured according to the requirement specified by the European Standards EN 13765:2003 Type 3 (BS 5842:1980), and in accordance with the recommendations of NAHAD Guidelines (NAHAD 600/2005).

Specifically designed as an universal hose for the transfer of a wide variety of aggressive chemicals under suction or pressure, PTFE 300 hoses are used in such applications as transfer for rail and road tanker, loading and unloading; storage tank and in-plant use. This universal hose can help eliminate the costly redundancy of inventory to maintain the various hose constructions usually required. Extremely flexible, easy to handle and bend. All hoses are 100% aromatic resistant, antistatic and can be used for suction or discharge. Vacuum rating is 0,9 bar, according to the EN ISO 7233 method B. COMPOTEC® PTFE 300 assemblies are fitted with an extensive range of couplings readily available, externally swaged with Stainless Steel ferrules.

SAFETY

COMPOTEC® PTFE 300 assemblies are tested at 1 ½ times rated working pressures for safety and reliability, in accordance with BS 5842:1980 clause 6.4 (EN ISO 1402). The securing ferrule, at one end of the hose, is permanently marked by embossing, with manufacturer's name, nominal bore, the hose assembly serial number and the last test date of the hose.

Burst pressure indicated, is at ambient temperature when tested in accordance with BS 5173 section 102.10:1990. (EN ISO 1402)

Electrical continuity is achieved by the two wires bonded to the end fittings, this helps dissipate accumulated charge and to avoid static flash. The electric resistance of hose assemblies is less than 10 ohms, as required by BS 5842:1980 clause 6.2 (EN ISO 8031). Upon request it's possible to manufacture PTFE 300 hoses in accordance to the Directive 94/9/EC "ATEX", with a special outer antistatic black cover.

TEMPERATURE RANGE	- 40 °C + 120° C
HOSE MARKING	COMPOTEC® - PTFE 300 - EN 13765 TYPE 3 – PN 15 – 120°C – PTFE – Quarter / year of hose manufacture

Size		Maximum W.P.		Min. Burst (EN ISO 1402)		Bend Radius (EN ISO 1746)		Weight		Maximum Length	
mm	Inch	Bar	P.S.I.	Bar	P.S.I.	mm.	Inch	Kg / mt.	Lb/Ft	Mt	Feet
20	¾"	15	200	75	1000	50	2	0,8	0.5	35	120
25	1"	15	200	75	1000	75	3	0,9	0.6	35	120
32	1 ¼"	15	200	75	1000	80	3	1,0	0.7	35	120
40	1 ½"	15	200	75	1000	85	3 ½	1,4	0.9	35	120
50	2"	15	200	75	1000	125	5	2,0	1.4	35	120
65	2 ½"	15	200	75	1000	150	6	3,2	2.1	35	120
75	3"	15	200	75	1000	175	7	3,6	2.4	35	120
80	3 ⁵⁄₃₂"	15	200	75	1000	180	7	3,8	2.5	35	120
100	4"	15	200	75	1000	250	10	5,0	3.3	35	120

- All hoses are available in an assortment of colours and it is possible, on request, and with a minimum purchase order, to add a "customer labelling" or "product labelling" to the outside wall
- Burst pressure indicated is at ambient temperature. Maximum temperature rating can only be maintained when working within limits of working pressure
- Each hose assembly is permanently marked on the ferrule at one end according to EN 13765:2003 clause 10.1 – 10.2