



# FOOD 500



## COMPOTEC®

<b>COLOUR</b>	Light Blue
<b>WIRES</b>	AISI 316 L Stainless steel internal and external wires
<b>CONSTRUCTION</b>	COMPOTEC® FOOD 500 is a multi-layer thermoplastic hose designed around several Ultra High Molecular Weight Polyethylene (UHMW PLT) liners, supported by 316 L Stainless Steel inner and outer wires, 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. COMPOTEC® FOOD 500 includes in the construction an High Density PLT 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.



### CHARACTERISTICS AND APPLICATIONS

COMPOTEC® FOOD 500 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 a universal hose for the transfer of a wide variety of liquid or dry food products under suction or pressure, FOOD 500 hoses are used in such applications as transfer for rail and road tankers, loading and unloading, storage tank and in-plant use. Particularly recommended in all the edible oils transfer, including Palm, Coconut, Sunflower, seeds or olive oils. It is widely used as well for edible or pure alcohol, isopropyl, ethyl, methyl or alcoholic spirits.** Extremely flexible, easy to handle and bend, FOOD 500 hose complies with FDA TITLE 21 Item 177.1520 and D.M. 26.04.93 n° 220, for all the application in direct contact with food. It is possible to clean FOOD 500 with loose steam or with various chemicals (diluted caustic soda and nitric) without any problem. All hoses are 100% antistatic and can be used for suction or discharge. Vacuum rating is 0,9 bar, according to the EN ISO 7233 method B. COMPOTEC® FOOD 500 assemblies are fitted with an extensive range of couplings readily available, including sanitary type fittings, DIN, SMS, RYT or Tri-Clamp, externally swaged with Stainless Steel ferrules.

### SAFETY

COMPOTEC® FOOD 500 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 assembly. Full test certification can be supplied on request. During all the phases of production, the hose is controlled in an high purity process of manufacture. No oils or lubricants are used during the process to avoid any possible contamination.

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 FOOD 500 hoses in accordance to the Directive 94/9/EC "ATEX", with a special outer antistatic black cover.

<b>TEMPERATURE RANGE</b>		- 40 °C + 100° C									
<b>HOSE MARKING</b>		COMPOTEC® - FOOD 500 - EN 13765 TYPE 3 – PN 15 – 100°C – UHMWPLT – 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	0,7	0.4	35	120
25	1"	15	200	75	1000	75	3	0,8	0.5	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	1,3	0.9	35	120
50	2"	15	200	75	1000	125	5	2,0	1.3	35	120
65	2 ½"	15	200	75	1000	150	6	3,0	2.0	35	120
75	3"	15	200	75	1000	175	7	3,5	2.3	35	120
80	3 5/32"	15	200	75	1000	180	7	3,7	2.5	35	120
100	4"	15	200	75	1000	250	10	4,9	3.3	35	120
150	6"	15	200	75	1000	500	20	11,4	7.6	20	65
200	8"	15	200	75	1000	700	28	17,0	11.4	20	65
250	10"	12	170	60	850	900	35	25,1	16.8	12	40

- 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