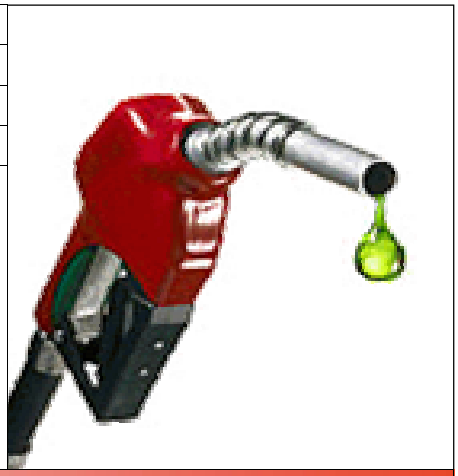
BIOTEC 85

COMPOTEC®

COLOUR	Green
WIRES	Inner Galvanised Mild Steel (Z) or PP Coated Galvanised Mild Steel (P)
	Outer: Galvanised Mild Steel (Z)
	Also available with Stainless Steel wires
CONSTRUCTION	COMPOTEC® BIOTEC 85 Hose, is a multy-layer thermoplastic hose, manufactured from Polypropylene, Polyethylene, Polyester films reinforced with high tensile fabrics, and an external Cl 2 self-extinguish cover. First layer, in direct contact with conveyed product, is made in a special film, 100% resistant to high aromatics and MTBE. COMPOTEC® BIOTEC 85, includes in its construction an HD PLT seamless tube film, to avoid any possible leak and guarantee a gas-tight construction.



CHARACTERISTICS AND APPLICATIONS

COMPOTEC® BIOTEC 85 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).

COMPOTEC® BIOTEC 85 Hose is designed for Biofuels suction and discharge: bio-diesel, bio-ethanol and unleaded petrol . Extremely flexible, easy to handle, COMPOTEC® BIOTEC 85, is resistant to aromatics up to 100% concentration, and it's suitable for positive pressure up to 15 Bar and Vacuum at 0,9 Bar. COMPOTEC® BIOTEC 85 assemblies are fitted with an extensive range of couplings readily available, externally swaged with Stainless Steel or Aluminium ferrules.

SAFETY

All COMPOTEC® Assemblies are tested at 1.5 times rated W.P. 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 engraving, with manufacturer's name, nominal bore, hose assembly serial number and the last test date of the hose assembly. Full test certification can be supplied on request.

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 possibile to manufacture BIOTEC 85 hoses in accordance to the Directive 94/9/EC "ATEX", with a special outer antistatic black cover.

TEMPERATURE RANGE	- 40 °C + 100° C
HOSE MARKING	**COMPOTEC®** - BIOTEC 85 - EN 13765 TYPE 3 – PN 15 – 100°C – PE – Quarter / year of hose manufacture

Size		**Maximum W.P.**		**Min. Burst (EN ISO 1402)**		**Bend Radius (EN ISO 1746)**		**Weight**		**Maximum Lenght**	
mm	Inch	Bar	P.S.I.	Bar	P.S.I.	mm.	Inch	Kg / mt.	Lb/Ft	Mt	Feet
20	¾"	15	200	75	1000	100	4	0,6	0.4	35	120
25	1"	15	200	75	1000	100	4	0,7	0.5	35	120
32	1 ¼"	15	200	75	1000	125	5	0,9	0.6	35	120
40	1 ½"	15	200	75	1000	150	6	1,2	0.8	35	120
50	2"	15	200	75	1000	180	7	2,0	1.4	35	120
65	2 ½"	15	200	75	1000	200	8	2,8	1.9	35	120
75	3"	15	200	75	1000	250	10	3,5	2.4	35	120
80	3 5/32"	15	200	75	1000	300	12	3,7	2.5	35	120
100	4"	15	200	75	1000	350	14	4,5	3.0	35	120
150	6"	15	200	75	1000	500	20	11,5	7.7	20	65
200	8"	15	200	75	1000	800	30	18,0	12.0	20	65
250	10"	12	170	60	850	900	35	25,3	16.9	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