

BIOTEC FIRETEC

COMPOTEC®

COMPOTEC® BIOTEC is a multi-layer thermoplastic FIRESAFE hose, manufactured from several Polypropylene, Polyethylene, Polyester films, reinforced with high tensile fabrics, and an external Class 1 Fire retardant cover. First layer, in direct contact with conveyed product, is made in a special film, 100% resistant to aromatics and MTBE. **COMPOTEC® BIOTEC**, includes in its construction an UHMW PLT Seamless tube film, to avoid any possible leak and guarantee a gas-tight construction.

Application: **COMPOTEC® BIOTEC** hose, is a Biofuel suction and discharge hose, particularly suitable for such applications due to its excellent chemical resistance and its relative lightweight and flexibility. A hose designed for suction & discharge of products at temperatures from - 40 to +100°C.

COMPOTEC BIOTEC HOSES indicates products which have compatible chemical resistance with all types of new alternative fuels, such as:

Bioethanol (up to E98)
Biodiesel* (up to B100)

And traditional petroleum-based fuels:

Gasoline
Diesel
*Applies to biodiesels which meet ASTM D6751 criteria

BIOTEC 85 is a special fuel hose, designed to handle all grades of **ETHANOL** fuel blends. **Biotec 85** hose is built with a specialized combination of high performance films and fabrics designed to handle today's fully concentrated alternative fuels. **Bioethanol** is readily made from the starch or sugar in crops such as corn, wheat, beet and sugarcane.

Bioethanol is a clear, colourless, flammable, oxygenated hydrocarbon which can be used as a transport fuel. This can be blended at any level with gasoline to create a biofuel blend.

BIOTEC 100, is an alternative fuel hose, designed to handle all grades of **BIODIESEL** including 100% neat biodiesel. **Biotec 100** hose is built with a specialized combination of high performance films and fabrics designed to handle today's fully concentrated alternative fuels. **Biodiesel** or FAME (Fatty Acid Methyl Ester) is produced from different sources like soft oils (i.e. rape seed and soy bean oil, etc) and tropical oils (palm and coconut oil, etc.); this can be blended at different percentages with petroleum diesel to create a biodiesel blend.

This product can reduce air pollutant emissions in particular the lack of sulfur allows the gradual elimination of this substance as the main cause of the formation of acid rain. Another important aspect from the ecological point of view is the amount of carbon dioxide that the Biodiesel releases during combustion, which is exactly that absorbed by the plants during their growth, this offers the possibility of avoiding the accumulation of carbon dioxide, because of "greenhouse" effect.

Non-permeable construction – won't swell or become stiff like conventional thermoplastic/rubber hoses. Long life reduces operating costs.

Lightweight – much lighter than conventional Thermoplastic/rubber hoses

Superior flexibility – especially in sub-zero weather.

Electrical continuity - Electrical continuity is achieved by the two wires bonded to the end fittings, this helps dissipate accumulated charge and to avoid static flash. Upon request it's possible to manufacture **BIOTEC** hoses in accordance to the Directive 94/9/EC "ATEX", with a special outer antistatic black cover and cable for ground connection.

All **COMPOTEC®** hoses are 100% Antistatic - Electrically continuous, meets the EN, CE, AS, U.S. Coast Guard requirements, NAHAD Guidelines, are Lloyds and DNV approved and ATEX certificate can be released on request.



HEAVY DUTY BIOFUELS SUCTION & DISCHARGE HOSE EN 13765:2015 TYPE 3

Size		Working Pressure Bar		Bend Radius EN ISO 1746	Weight	Maximum Length
mm	Inch	SF 4:1	SF 5:1	mm	Kg. / mt	Mt.
20	3/4"	20	16	75	0,73	40
25	1"	20	16	100	0,90	40
32	1 1/4"	20	16	125	1,27	40
40	1 1/2"	20	16	140	1,49	40
50	2"	20	16	180	2,18	40
65	2 1/2"	20	16	220	3,09	40
75/80	3"	20	16	180	3,66	40
100	4"	20	16	400	5,28	40
125	5"	20	16	485	8,20	40
150	6"	20	16	575	11,90	40
200	8"	20	16	800	15,65	40
250	10"	20	16	1000	22,53	25
300	12"	20	16	1200	31,78	25

Code	BIOTEC 85	BIOTEC 100		
Applications	Heavy Duty Biofuels liquid transfer			
Colour	Green	Black		
Temperature	-40 +100°C			
Ref	ZZ	ZX	XZ	XX
Inner wire	Galv.Steel	Galv.Steel	St.Steel	St.Steel
Outer wire	Galv.Steel	St.Steel	Galv.Steel	St.Steel

BIOTEC

