

EXILITE Light Weight



COMPOTEC® EXILITE is new revolutionary multi-layer thermoplastic hose manufactured around multiple layers of Polypropylene, Polyethylene and Polyester films and Polypropylene fabrics, with a weather-proof and abrasion resistant outer cover made of PVC coated Polyester fabric. Outer cover is also available in **ELASTAR**, a special PU coated fabric; its UV, Ozone, Sunlight and weathering resistance, offers superior temperature and abrasion characteristics.

All the different layers are wrapped together and tensioned between internal and external wire spirals. This enables our product to meet the requirement of the Petrol-chemical industry and those of the oil tank truck industry.

COMPOTEC® EXILITE assemblies are tested at 1 1/2 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 engraving, with manufacturer's name, nominal bore, the hose assembly serial number and the test date. The marking of hose assemblies is made in compliance with PED Directive (97/23/ CE). Full test certification can be supplied on request.

COMPOTEC® EXILITE hoses can be supplied in the **FIRETEC** version with ADR self-extinguish CL2 cover.

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 1 ohm/m, as required by EN ISO 8031:2009, 4.7. Upon request it's possible to manufacture **COMPOTEC®** hoses in accordance to the Directive 94/9/EC "ATEX", with a special outer antistatic black cover.



EXILITE – LIGHTWEIGHT HYDROCARBON SUCTION & DISCHARGE HOSE EN 13765:2010 TYPE 2

Applications: Where exceptionally low weight is indicated, **EXILITE** is the answer. Inner wire is made in a special high tensile Aluminium alloy, while for the External wire is used a special Black antistatic PP coated Aluminium wire. The result is the lightest hose available on the market, but still robust and strong, thanks to the Composite construction, and thanks to the highest technology involved in **COMPOTEC®** manufacturing process.

EXILITE hoses are used in such applications as low pressure transfer for road and rail tanker loading and discharging, storage tank and in plant use. Conveyants include light distillates such as petrol, diesel, paraffin, kerosene, gasoline, and is also used for Bio-diesel and Aviation fuels.#

EXILITE# hose is significantly lighter than other similar hoses comparing on the same diameter, making it particularly suitable for petrol forecourt deliveries.

Another advantage of the External coated wire, is that the hose has a full "NON METALLIC" feature outside, therefore 100% sparkle free and will not sign or damage the truck's body paints.

EXILITE E85 PA type, has been specifically designed to transfer the new Ethanol based fuel propellers, and for the vapour suction recovery. **COMPOTEC® EXILITE** assemblies are fitted with an extensive range of couplings readily available, externally swaged in Aluminium, Brass or Steel.

COMPOTEC® EXILITE hose can be supplied, on request, in the **FIRETEC** version, with an outer cover made of special ADR self extinguish CL 2 coated fabric.

COMPOTEC® EXILITE hoses, according to the EN 13765:2010, are classified "TYPE 2" and are suitable for carrying gasoline, Kerosene, fuel and lubricating oils, including aviation fuels with aromatic content up to 100% at a temperature up to + 60°C

COMPOTEC® EXILITE hoses, are suitable as well for vapour recovery in vacuum conditions, not exceeding 0,9 Bar vacuum rating.

Available in 40 mt coils from 1½" up to 4".#



LIGHT WEIGHT HYDROCARBON SUCTION & DISCHARGE HOSE EN 13765:2010 TYPE 2

EXILITE

Size		Maximum W.P.		Safety	Bend Radius (ENISO1746)		Weight	Maximum Length	
mm	Inch	Bar	P.S.I.	Factor	mm	Inch	Kg. / mt	Mt.	Feet
40	1 ½"	10	150	4:1	120	5	0,92	40	132
50	2"	10	150	4:1	150	6	1,20	40	132
65	2 ½"	10	150	4:1	160	6½	1,45	40	132
75/80	3"	10	150	4:1	225	9	1,80	40	132
100	4"	10	150	4:1	300	12	2,50	40	132

Code	EXILITE PP	EXILITE AP	EXILITE E85 PA
Applications		Fuel / Oil - Vapours	
Colour		Orange / All Black	
Temperatures		-20 + 60°C	
Inner wire	PP Coated Aluminium	PP Aluminium	PP Coated Aluminium
Outer wire	PP Coated Aluminium	PP Coated Aluminium	Aluminium

EXILITE

DNV Det Norske Veritas Cert. n. CERT-04193-99-AQ IND-SINCERT
EN 13765:2010, approved from CEN
Directive 97/23/CE "PED" with operating Procedures certified from DNV - CE PED 07.0056.06/2585
Directive 94/9/CE "ATEX" hose for explosive atmospheres, Cert. held by DNV Rec. nr. CE ATE 08.0117.06/2617 - (AS 2430.1-1987)
BS 5842:1980 (Conf. 1986)
BS 3492:1987
AS 2683-2000 (Hose & hose assemblies for distribution of petroleum and petroleum products)
AS 2117-1991 (Hose & hose assemblies for petroleum and petroleum products - Marine suction and discharge)
NAHAD Guidelines (NAHAD 600/2005)

Test procedures:

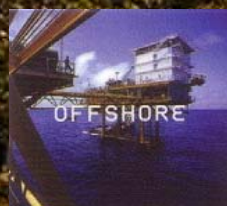
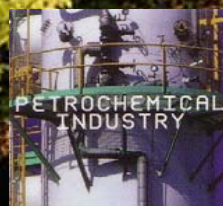
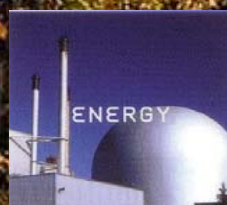
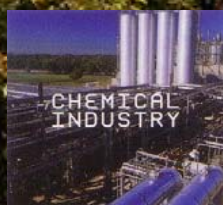
BS 5173-102.10:1990 section 102.10 - (EN ISO 1402)
AS 1180.5-1999 (method 5)
AS 1180.13B (Electrical resistance)
AS 1180.13C (Electrical continuity)

Type Approval

Lloyd's Register Type Approved - Cert. N° 13/00002
DNV - Det Norske Veritas - Type Approval Cert. N° P-12369
RINA - Registro Italiano Navale - Cert. N° MAC/81398/1/TO/99
Russian Maritime Register of Shipping
IBC Code Chapter 5 - Ship's Cargo hoses
IMO Chemical Carrier Code - Paragraphs 2.12 and 5.7

Welding Process

in according to EN 15608:2005 - EN 439:1996 - EN 15614-1:2005 - EN 6848:2005
- EN 12072:2001 certified by DNV - Det Norske Veritas
in according to ASME IX certified by RINA



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COMPOTEC®