


# LD 10



## COMPOTEC®

<b>COLOUR</b>	LD 10 PZ CHEM: Green LD 10 ZZ OIL: Blue LD 10 AZ or ZA Light: Orange / Yellow stripe LD 10 AA Superlight: Orange / Blue stripe	
<b>WIRES</b>	P = Polypropylene coated carbon steel wire Z = Galvanised carbon steel wire A = Aluminium wire	
<b>CONSTRUCTION</b>	COMPOTEC® LD 10 hose is a multi-layer thermoplastic hose manufactured from Polypropylene, Polyethylene films and Polypropylene fabrics, with a weather-proof and abrasion resistant outer cover made of Polymeric coated Polyester fabric. 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.	

### CHARACTERISTICS AND APPLICATIONS

COMPOTEC® LD 10 is manufactured according to the requirement specified by the European Standards EN 13765:2003 Type 2 (BS 5842:1980), and in accordance with the recommendations of NAHAD Guidelines (NAHAD 600/2005).

Extremely flexible, easy to handle and bend, **COMPOTEC® LD 10 hoses are used in such applications as low pressure or gravity transfer for rail and road tanker loading and discharging, storage tank and in-plant use. Specifically engineered to handle fuels, petrol, diesel, lubricating oils.** All hoses are 100% aromatic resistant and perfectly antistatic and can be used for delivery or suction of vapours. Vacuum rating is 0,9 bar, according to the EN ISO 7233 method B. Where exceptional low weight is requested, hoses with internal or both internal and external wires in aluminium are available. COMPOTEC® LD 10 hose is designed as a "Low Duty" hose for road and rail tanker and static use for Petroleum products and solvents. For unusually arduous conditions, such as bottom loading, standard duty hoses (i.e. OIL 800 or CHEM 700) should be used instead. COMPOTEC® LD 10 assemblies are fitted with an extensive range of couplings readily available, externally swaged with Stainless Steel or Aluminium

### SAFETY

COMPOTEC® LD 10 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.

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 LD 10 hoses in accordance to the Directive 94/9/EC "ATEX", with a special outer antistatic black cover.

COMPOTEC® LD 10 hoses fully complies BS 3492:1987 for carrying gasoline, kerosene, fuel and lubrication oils, including aviation fuels with high aromatic content at a temperature up to 80°C. All types are suitable for use with a vacuum not exceeding 0,9 Bar. According to the Standard descriptions, LD 10 ZZ hoses meets the requirements for type AX and type BX and type LD 10 AZ satisfy the type BX requirements, for all products included in "Class 1".

<b>TEMPERATURE RANGE</b>	- 30 °C + 80 °C
<b>HOSE MARKING</b>	COMPOTEC® - LD 10 - EN 13765 TYPE 2 – PN 10 – 80°C – PP – Quarter/year of hose manufacture

Size		Maximum W.P.		Min. Burst (EN ISO 1402)		Bend Radius (EN ISO 1746)		Weight Kg / mt				Maximum Length
mm	inch	Bar	PSI	Bar	PSI	mm	inch	ZZ	PZ	AZorZA	AA	Mt
40	1 ½"	10	150	40	600	85	3 ½"	1,1	1	0,9	0,6	35
50	2"	10	150	40	600	125	5	1,7	1,5	1,3	0,9	35
65	2 ½"	10	150	40	600	150	6	2,4	2,3	1,8	1,2	35
75	3"	10	150	40	600	175	7	2,8	2,6	2,1	1,5	35
80	3 5/32"	10	150	40	600	180	7	2,9	2,8	2,2	1,6	35
100	4"	10	150	40	600	250	10	3,7	3,7	2,9	2	35

- 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