



OVER **114 YEARS** OF QUALITY & SERVICE IN THE HOSE INDUSTRY

MANUFACTURER OF MUNICIPAL, FORESTRY AND INDUSTRIAL HOSE

LD 500TM



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NIEDNER IS ISO9001:2000 CERTIFIED

SUPERIOR TECHNOLOGY FOR **FLUID TRANSFER**

LD 500™

A single jacket industrial hose, with a service test pressure of 300 PSI (2100 kPa) and constructed of 100% filament polyester lined with TPU elastomer. Yellow ENCAP™ treatment improves abrasion resistance and reduces water absorption. The high quality construction of LD 500™ makes it an excellent choice for many single jacket utility hose applications.

- Construction:** Circular bias woven, single jacket 100% virgin filament polyester.
- Tube:** Extruded T.P.U. elastomer - Ozone and age resistant.
- Standard Lengths:** 50' and 100' (15,2 and 30,5 m)

How to specify LD 500™

- The hose shall be a single jacket construction with 100% virgin filament polyester.
- There shall be a minimum of 12 polyester filler yarns per inch in the jacket.
- The thickness of the lining shall be 0.015" (381 µm) minimum and it shall be constructed of extruded T.P.U. elastomer.
- The outside jacket shall be treated with Yellow Encap™ elastomer which shall completely encapsulate the jacket fibers and not merely surface coat the jacket.
- The hose service temperature range shall be -60°F to 140°F (-51°C to 60°C).
- FM abrasion test of 5,000 cycles minimum and Taber abrasion test of 1,000 cycles minimum.
- At 600 PSIG (4200 kPa), its elongation shall not exceed 6% of the initial hose length, it shall not warp more than 20 inches (51 cm) and should not rise from the test table.
- The hose shall not twist more than 10 turns per 100 ft (30,5 m) while at 600 PSI (4200 kPa)
- Minimum service test pressure of 300 PSI (2100 kPa)
- Minimum proof test pressure of 600 PSI (4200 kPa)
- Minimum straight burst test pressure of 900 PSIG (6300 kPa).
- The hose while curved to a radius of 27" (69 cm) shall not burst at less than 900 PSIG (6300 kPa).

LD 500™ PHYSICAL PROPERTIES						
Hose size	Spec number	Coupling bowl size	Weight / 100 ft (30,5 m) uncoupled	Service test press.	Proof press.	Burst press.
1 1/2" (38 mm)	3865	1 11/16" 42,9 mm	13.75 lbs 6,2 kg	300 PSI 2100 kPa	600 PSI 4200 kPa	900 PSI 6300 kPa
2 1/2" (64 mm)	3875	2 11/16" 68 mm	22 lbs 10 kg	300 PSI 2100 kPa	600 PSI 2100 kPa	900 PSI 6300 kPa

For more information please call your authorized dealer.

NIEDNER

ISO9001:2000

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