



Mileflex

LDH Super Heavy-Duty Polyurethane Covered Hoses

CONSTRUCTION:

Mileflex hoses are a super heavy-duty through-the-weave polyurethane (PU) covered hoses. Mileflex hoses shall be made from 100% high tenacity synthetic yarn circular woven and completely, totally embedded in the PU compound, excellent protected against mechanical damage, forming a single homogenous construction without the use of any glues or adhesives of any type.

Thermoplastic polyurethane (TPU) extruded "through the weave" in a unique one step production process.

Inside tube: very smooth for minimum friction loss.

Outside cover: very smooth for good flexibility.

COLOR: Black, other color options are available for request.

COUPLINGS: LDHC couplings are suggested. For more information about LDHC couplings, please contact Asoe.

FEATURES:

Superior abrasion resistance

Extremely hardwearing and durable for long service life

Resistance to oil, fuel and a wide range of chemicals (see resistance table in technical appendix)

Resistance to weathering and ozone

Flexible and lightweight compared to mandril built hoses, good handling

Excellent cold flexibility

50% puncture resistance higher than Nitrile rubber hoses.

APPLICATION:

Suitable for use and recommended for agricultural manure transfer, mining and frac water



transfer and industrial water discharge.

TECHNICAL SPECIFICATION:

I.D.		Thickness		Weight	Working Pressure	Bursting Pressure	Tensile Strength
Inch	mm	Inch	mm	Lbs/ft	PSI	PSI	lbs
8"	204	0.17	4.2	2.10	170	540	81,500
10"	254	0.17	4.3	2.92	150	450	99,900
12"	305	0.19	4.8	3.36	150	450	123,000

Abrasion Resistance:

Abrasion resistance > 14,000 cycles.

Operating Temperature Range

Hose shall have capability of use between - 58 °F to 176°F.

Chemical Resistance:

Exposure to seawater and contamination by most chemical substances, hydrocarbons, oils, alkalis, acids and greases must have no effect on the short or long term performance of the hose.

Heat Resistance:

The hose when subjected to a static pressure of 100 psi (700 kpa) shall be capable of withstanding a surface temperature of 1200 F for a minimum of two minutes without rupture or damage to the synthetic reinforcement.