

Longman™ 600 NBR Layflat hoses

Specially designed for mining, fracking, Agriculture

Hose & Solutions



Longman 600 is one type of super heavy-duty through-the-weave Nitrile Rubber (NBR) covered hoses. Longman 600 hoses shall be made from 100% high tenacity synthetic yarn circular woven and completely, totally embedded in the NBR/PVC compound, excellent protected against mechanical damage, forming a single homogenous construction without the use of any glues or adhesives of any type. NBR compound is composed of NBR and PVC. High percentage of of NBR content contributes better abrasion-resistance.

Inside tube: very smooth for minimum friction loss.

Outside cover: ribs for more abrasion-resistance

Application

Suitable for use and recommended for agricultural manure transfer, mining and industrial water discharge.

Serving fracking efforts in shale deposits world-wide

Asoe Hose Manufacturing Inc.

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Abrasion Resistance

Abrasion resistance > 15,000 cycles.

Operating Temperature Range

Hose shall have capability of use between -20°C up to +80°C (-4°F up to 176°F) based on water

Chemical Resistance

special additives in the compound guarantee superior UV and ageing resistance.

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.

Elongation rate

Less than 0.5% at 150PSI

Expansion Rate

Less than 2% at 150PSI

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Standard Length

660ft per length, 330ft, 1320ft or other length options available on request

Color

Black, other color options available on request

Couplings

Reattachable LDHC V, LDHC FM, LDHC S couplings are recommended
 KC Nipples + crimps

Hose Deploy and Retrieval System

One-compartment hose reel retrieval system or multiple-compartment hose reel trailer system are recommended

FEATURES

- Extremely hardwearing and durable for long service life
- Resistance to oil, fuel and a wide range of chemicals
- Resistance to weathering and ozone
- Flexible and lightweight compared to mandril built hoses,
- Excellent cold flexibility
- Quickly deployed and retrieved
- Easy to be handled
- Less expansion rate compared to PU layflat hoses
- Excellent resistance to weathering, UV and ozone

ID		Wall Thickness		Weight Lbs/ft	Working Pressure PSI	Bursting Pressure PSI
Inch	mm	Inch	mm			
6"	154	0.150"	3.8	1.50	200	600
8"	204	0.172"	4.2	2.10	200	600
10"	254	0.180"	4.6	3.20	180	540
12"	305	0.180"	4.7	3.40	150	450

What are qualified NBR layflat hoses for oilfield and mining?

- No 3-ply NBR layflat hoses
- Concentric tube and cover
- No scars on hose surface due to degraded staganant polyurethane
- No exposure of reinforcement jacket