

Welline

Polyurethane covered Flexible Drop Pipe in Water Wells

CONSTRUCTION:

Welline hoses are a super heavy-duty through-the-weave polyurethane (PU) covered hoses. Welline 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.

APPLICATION:

- Water Utilities
- Water well

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

COUPLINGS: Stainless Steel LDHC W. For more information about couplings, please contact Asoe



FEATURES:

- A simpler, safer and more efficient way to install Submersible pumps.
- Offering greater cost savings and superior hydraulic performance advantages over Poly Pipe / PVC Pipe, Fiber Glass and Steel Riser Pipes.
- Potable Water Approved



- 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, lightweight and good handling
- Excellent cold flexibility

TECHNICAL SPECIFICATION:

Nominal Size	1"	1 1/2"	2"	3"	4"	5"	6"	8"
Inside Diameter	24mm	40mm	50mm	76mm	102mm	127mm	152mm	204mm
Burst Pressure	70 bar	65 bar	65 bar	60 bar	58 bar	58 bar	58 bar	42 bar
Operating Pressure	35 bar	30 bar	30 bar	25 bar	25 bar	22 bar	22 bar	15 bar
Tensile Strength	1,400 kgs	3,000 kgs	4,000 kgs	7,000 kgs	12,000 kgs	15,000 kgs	20,000 kgs	21,000 kgs
Weight	0.20 kg/m	0.33 kg/m	0.55 kg/m	0.95 kg/m	1.40 kg/m	1.70 kg/m	2.50 kg/m	3.42 kg/m
	0.14 lbs/ft	0.22 lbs/ft	0.37 lbs/ft	0.64 lbs/ft	0.94 lbs/ft	1.14 lbs/ft	1.68 lbs/ft	2.30 lbs/ft

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.