

Polyriser™

TPE-P Layflat Flexible Pipe
 Designed for water well rising/drop hose.



Polyriser is one type of through-the-weave TPE-P covered hose which is made of TPE-P materials approved according to NSF 61 standard. Polyriser hoses shall be made from 100% high tenacity virgin synthetic yarn circular woven and completely, totally embedded in the TPE-P compound, excellent protected against mechanical damage, forming a single homogenous construction without the use of any glues or adhesives of any type.

Polyriser is a flexible rising pipe, but not so flexible as Welline hose. Polyriser hoses perform better in age-resistance than Welline hoses. It is theoretically supposed to be used for 30-50 years. Its usage period is longer than that of any other comparable flexible rising pipes in the world.

Polyriser™

ID		Wall Thickness		Weight		Working Pressure	Bursting Pressure
Inch	mm	Inch	mm	lbs/ft	kg/m	PSI/bar	PSI/bar
1 1/2"	39+1.5	0.10"	2.4	0.21	0.32	425PSI/30bar	920PSI/65bar
2"	52+1.5	0.10"	2.4	0.35	0.52	425PSI/30bar	920PSI/65bar
2 1/2"	65+1.5	0.11"	2.9	0.39	0.58	425PSI/30bar	920PSI/65bar
3"	77+2.0	0.10"	2.5	0.61	0.90	390PSI/27bar	860PSI/60bar
4"	104+2.0	0.13"	3.0	0.89	1.33	380PSI/26bar	840PSI/58bar
5"	128+2.0	0.15"	3.8	1.09	1.62	360PSI/25bar	800PSI/55bar
6"	155+2.5	0.15"	3.8	1.60	2.38	360PSI/25bar	800PSI/55bar
8"	204+3.0	0.17"	4.3	2.17	3.23	260PSI/18bar	645PSI/45bar

Application: Suitable for use and recommended for pumping well water. These hoses are connected with submersible pump and are very easy to be installed and retrieved.

Inner tube and cover: Smooth TPE-P cover and tube. A strip of reinforced TPE-P on the side of cover to support the electrical cables and accessories
Reinforcement: Circular woven polyester jacket

Operating Temperature Range: From -60° F to 176° F (-50° C to 80° C)

Standard Color: Blue, other colors available per request

Standard Length: 300ft/91.5m, 330ft/100m, 660ft/200m; other lengths available per request;

Couplings: Stainless steel couplings with BSP thread, Stainless steel conical couplings with BSP thread etc.

Warranty: 10 years

Recommended for:

Fresh Water Supply Solutions in mines, agriculture, water utilities, industrial, solar etc.