

PU frac water hose (fracflo hose)



Cover and Lining: PU, Ribbed cover or smooth cover

Reinforcement Jacket: High-tenacity synthetic jacket

Color: Blue, Green, Black, Red, Green

Application: Irrigation, Pumping of sludge and liquid fertilizers,
supply or drag hose

Available length: 30m (100ft), 61m(200ft), 91.5m (300ft), 100m (330ft)
200m (660ft),300m(990ft),400m(1320ft)

This hose is made from extruded thermoplastic polyether based polyurethane (TPU) with excellent wear & tear properties. The reinforcement is made from circular woven filament polyester yarn. The "extrusion through-the-weave" production method gives a very strong bonding between cover and lining as well as firmly encapsulating the woven polyester.

The hose has high resistance against commonly used chemicals and has excellent resistance to UV radiation, hydrolysis and fungus degradation. The abrasion resistance of the TPU is one of the highest available, making the hose ideal for use in the extremely abrasive environment in open pit mines. The outer cover has been designed with extra thickness in order to add wear & tear material. This extends the useful lifespan of the hose.

Extra abrasion resistance for rugged terrain and extreme conditions

Resistant to oil and chemicals

UV Stabilised

Abrasion:4000 DIN cycles

This hose can operate in a temperature range from -50 C deg to 80 C deg(-58 F deg to +176 F deg).

I.D.	tolerance		Wall Thickness	Working Pressure	Bursting Pressure	WEIGHT				Elongation at WP %	Expansion at WP %	tensile strength	temperature range		
	Inches	mm				mm	Inches	mm	PSI				PSI	LBS/FT	tolerance LBS/FT
2"	51	51.0-53.0	0.071±0.008	1.8±0.2	250	750	0.28	±0.067	0.42	±0.1	≤1	≤8	4500	-50 +80	-58 +176
2"	51	51.0-53.0	0.138±0.008	3.5±0.2	410	1230	0.47	±0.067	0.7	±0.1	≤2	≤8	7500		
3"	76	76.0-78.0	0.126±0.012	3.2±0.3	250	750	0.64	±0.067	0.95	±0.1	≤1	≤8	7000		
4"	102	102-104.5	0.110±0.012	2.8±0.3	200	600	0.72	±0.067	1.08	±0.1	≤1	≤8	11000		
4"	102	102-104.5	0.138±0.012	3.5±0.3	300	900	0.87	±0.067	1.30	±0.1	≤1	≤8	16000		
6"	152	152-154.5	0.118±0.012	3.0±0.3	150	450	1.07	±0.067	1.60	±0.1	≤1	≤8	15500		
6"	152	152-154.5	0.150±0.012	3.8±0.3	250	750	1.41	±0.067	2.10	±0.1	≤1	≤8	23000		
6"	152	152-154.5	0.165±0.012	4.2±0.3	300	900	1.74	±0.134	2.60	±0.2	≤2	≤8	35500		
6"	152	152-154.5	0.228±0.016	5.8±0.4	410	1230	2.11	±0.201	3.15	±0.3	≤2	≤8	56000		
6"	152	152-154.5	0.228±0.016	5.8±0.4	610	1830	2.14	±0.201	3.20	±0.3	≤2	≤8	56000		
8"	204	204-207	0.150±0.012	3.8±0.3	200	600	1.94	±0.134	2.90	±0.2	≤1	≤10	31500		
8"	204	204-207	0.177±0.016	4.5±0.4	300	900	2.28	±0.134	3.40	±0.2	≤1	≤10	45400		
10"	254	256-259	0.165±0.016	4.2±0.4	200	600	2.75	±0.134	4.10	±0.2	≤1	≤10	53000		
10"	254	256-259	0.197±0.016	5.0±0.4	300	900	3.75	±0.201	5.60	±0.3	≤2	≤8	84000		
12"	306	306-311	0.165±0.016	4.2±0.4	150	450	3.33	±0.201	4.97	±0.3	≤1	≤8	56000		
12"	306	306-311	0.228±0.0197	5.8±0.5	200	600	4.30	±0.201	6.40	±0.3	≤2	≤8	75000		
14"	356	356-360	0.205±0.0197	5.2±0.5	150	450	4.96	±0.201	7.40	±0.3	≤1	≤8	76000		
16"	406	406-410	0.205±0.0197	5.2±0.5	100	300	5.09	±0.201	7.60	±0.3	≤1	≤10	76000		

* Tailored hoses pressure rating and wall thickness are available for customers.

* All above technical parameters are for reference ,details please confirm with ZYfire.