

NBR frac water hose (oroflex premium)



Tube and cover: Nitrile/PVC Blend, ribbed cover for maximum abrasion resistance. Thick wall.

Reinforcement: 100% virgin high tenacity polyester Jacket

Color: Black, Red, Yellow, Orange, Blue

Package: Rolled, packed in carton or loaded in pallet

Application: Water discharge, Transfers, Drainage, Irrigation installations, Pumping of sludge and liquid fertilizers, Irrigation, Chemical industry, Refineries, Air-pressure *Premium Solution*

Standard length: 15m (50ft), 20m (66ft), 30m (100ft), 60m(200ft), 90m (300ft),200m (660ft),300m(990ft)

Manufacturing Technology: through-the-weave technology without delamination issues

Hose shall be made from 100% high tenacity synthetic yarn circular woven and completely, protected and locked-in by tough highly resistant synthetic nitrile rubber, forming a single homogenous construction without the use of glues or adhesives of any type.

Lining Properties:

a. Ultimate Tensile Strength:

Tensile strength of the lining and cover shall not be less than 1500 psi (10,500 kpa).

b. Ultimate Elongation:400% minimum.

c. Accelerated Aging Test

The tensile strength and ultimate elongation of the vulcanized rubber compound which has been subjected to the action of oxygen at a pressure of 300 psi +/- 10 psi , (2100kpa +/- 70kpa) and temperature of 70 degrees centigrade +/-1 degree centigrade (158 F +/- 18 F) for a period of 96 hours shall be , greater than 60% of the original properties stated.

Temperature range:From -30 C deg to 80 C deg (-22 F deg to 176 F deg)

Abrasion Resistance: withstand 101000 cycles.

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	kgs/m	tolerance kgs/m	max	max	kgs	°C	°F
3"	76	76-78	0.118±0.008	3.0±0.2	200	645	0.67	±0.067	1.0	±0.1	≤5	≤5	8000	-30 +80	-22 +176
4"	102	102-104	0.126±0.012	3.2±0.3	200	600	0.938	±0.067	1.4	±0.1	≤5	≤5	9500		
6"	152	152-154.5	0.126±0.012	3.2±0.3	200	600	1.47	±0.067	2.20	±0.1	≤5	≤5	19500		
6"	152	152-154.5	0.138±0.012	3.5±0.3	250	750	1.68	±0.067	2.50	±0.1	≤5	≤5	21000		
6"	152	152-154.5	0.166±0.012	4.2±0.3	300	900	1.88	±0.134	2.80	±0.2	≤5	≤5	29000		
8"	204	204-207	0.158±0.012	4.0±0.3	200	600	2.40	±0.134	3.58	±0.2	≤5	≤5	35500		
8"	204	204-207	0.166±0.012	4.2±0.3	300	900	2.51	±0.134	3.75	±0.2	≤5	≤5	46000		
8"	204	204-207	0.197±0.012	5.0±0.3	400	1200	2.75	±0.134	4.10	±0.2	≤5	≤5	48000		
10"	254	254-257	0.173±0.016	4.4±0.4	200	600	3.10	±0.134	4.63	±0.2	≤5	≤5	43000		
10"	254	254-257	0.177±0.016	4.5±0.4	300	900	3.35	±0.134	5.00	±0.2	≤5	≤5	78000		
12"	306	306-311	0.177±0.016	4.5±0.4	150	450	4.20	±0.201	6.27	±0.3	≤5	≤5	53000		
12"	306	306-311	0.166±0.016	4.2±0.4	200	600	3.70	±0.201	5.52	±0.3	≤5	≤5	62000		
14"	356	356-360	0.188±0.016	4.8±0.4	150	450	4.89	±0.201	7.30	±0.3	≤5	≤5	63200		
16"	400	406-411	0.188±0.016	4.8±0.4	100	300	4.96	±0.201	7.40	±0.3	≤5	≤5	79800		

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

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