

HIGH YIELD



BENTONITE GEL

DESCRIPTION

High Yield is a Polymer Extended Sodium Bentonite that yields a minimum 200 barrel of API fluid per ton of material. It mixes rapidly for quick hydration and carries cuttings in mud with lower soil content. **High Yield** diminishes fluid loss conditions, reduces seeping into permeable formations, and helps eliminate loss circulations.

APPLICATION

High Yield is ideal for use in water well, monitoring well, mineral exploration, seismic operations, and directional drilling applications.

RECOMMENDED USAGE

Pre-treat makeup water with *Water Treat*, a pH conditioner, to pH of 8-10.

Normal Formation	:	Mix 15-20 lbs (6.8-9.1 kg) of High Yield per 100 gallons (379 liters) of makeup water.
Unstable Formation	:	Increase to 25-40 lbs (11.3-18.1 kg) per 100 gallons (379 liters) of makeup water.

PACKAGING - Packaged in 50 lb (22.7 kg) multi-walled paper bags.

SPECIFICATIONS

Fann @ 600 RPM	:	30.0
Filtrate	:	16.20 ml
Moisture	:	10.0 Maximum
Dry Sieve Analysis	:	75.80% (200 mesh)
Wet Sieve Analysis	:	2.3%-3.5% (200 mesh)
pH	:	7.9

TYPICAL CHEMICAL ANALYSIS				X-RAY ANALYSIS			
SiO ₂	61.3	%		85 %	Montmorillonite		
Al ₂ O ₃	19.8	%		5%	Quartz		
Fe ₂ O ₃	3.9	%		5%	Feldspars		
CaO	0.6	%		2%	Cristobalite		
MgO	1.3	%		2%	Illite		
Na ₂ O	2.2	%		1%	Calcite and Gypsum		
K ₂ O	0.4	%					
Trace Elements	3.2	%					
H ₂ O (crystal)	7.2	%					
Yield	>220bbl/ton						