

Product Information

BENTONITE - ABI HI YIELD

GENERAL DESCRIPTION

ABI Hi Yield Gel (Bentonite) is a 200 mesh, high yield sodium Bentonite for use in all freshwater drilling conditions.

APPLICATIONS

ABI Hi Yield Bentonite may be used in all types of fresh water mud rotary drilling.

Characteristics:

- Highly concentrated for maximum yield
- Fast and easy mixing
- Reduces solids/increases lifting power
- Removes cuttings
- Cools and lubricates bit
- Stabilizes boreholes
- Helps prevent loss of circulation

RECOMMENDED TREATMENT

The level of water purity will affect Bentonite performance. Prior to mixing, acidic and hard water should be treated with soda ash to a pH of 8.5 to 9.0.

For Normal Conditions	18 to 30 kg/m ³
For Sand and Gravel	30 to 42 kg/m ³
For Fluid Loss Control	42 to 48 kg/m ³

For best results, add ABI Bentonite High Yield through a jet / hopper mixer.

TYPICAL PHYSICAL PROPERTIES

Fann @ 600 rpm	Avg 30.0 cps*
Filtrate	16-20mL/30min @ 100 psi*
Moisture	10% maximum
Typical Dry Sieve Analysis	
	80% (-20 mesh)
pH	7.0 to 9.0

*Suspension, 10 grams Bentonite in 350mL distilled water.

TYPICAL CHEMICAL ANALYSIS

SiO ₂	61.3%	Na ₂ O	2.2%
Al ₂ O ₃	19.8%	TiO ₂	0.1%
Fe ₂ O ₃	3.9%	MgO	2.3%
CaO	0.6%	K ₂ O	0.4%
		Trace Elements	3.2%
		H ₂ O (Crystal)	6.5%

HANDLING

ABI Bentonite High Yield is classified as a D2B controlled product using the WHMIS classification. Refer to MSDS information for specific precautions and handling.

AVAILABILITY

Bentonite - ABI High Yield is available in 22.68 kg sacks.