

Product Information

BENTONITE - ABI PREMIUM GEL

GENERAL DESCRIPTION

Bentonite - ABI Premium Gel is an 80% dry screen analysis (% minus US 200 mesh) bentonite for use in all freshwater drilling conditions.

APPLICATIONS

Bentonite - ABI Premium Gel may be used in all types of fresh water mud rotary drilling.

Characteristics:

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

RECOMMENDED TREATMENT

Treatment rates will vary depending on the desired rheological properties.

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 best results, add Bentonite - ABI Premium Gel through a jet / hopper mixer.

TYPICAL PHYSICAL PROPERTIES

Dry Screen Analysis 80%
(% minus US 200 mesh)
Wet Screen Analysis 2.5 to 5.0%
(% retained on US 200 mesh)
Moisture (time of shipping) 7.0 to 9.0 %
pH 9.0 to 10.0

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

Bentonite - ABI Premium Gel is classified as a D2A controlled product using the WHMIS classification. Refer to MSDS information for specific precautions and handling.

AVAILABILITY

Bentonite - ABI Premium Gel is available in 40kg sacks.