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BENTONITE STANDARD DRILLING GRADE

Chemical Name : Sodium Bentonite	Chemical Formula : $Al_2O_3 \cdot 4SiO_2 \cdot 2H_2O$
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DESCRIPTION

BENTONITE STANDARD is a drilling grade bentonite, which is a naturally occurring clay, containing the clay mineral smectile. Its raw ore body is calcium based montmorillonite. It is treated with soda ash to ionexchange to obtain sodium montmorillonite. It may contain polymers, eg., cellulose, polyacrylamide and etc. BENTONITE STANDARD conform to API specifications (API Spec 13A) as well as to OCMA.

CHEMICAL PROPERTIES

Specification	Unit	Obtained
Moisture	%	10 max.
Wet Screen	%	2.5 max.
Filter Volume	Cm ³	15 max.
Yield point/plastic viscosity	---	3 max.
Viscometer dial reading at 600rpm	min	30 max

PHYSICAL PROPERTIES

Specification	Unit	Obtained
Appearance	----	Tan Powder
Specific Gravity	Kg/L	2.4 - 2.76
Bulk Density	Kg/m ³	880

APPLICATION

BENTONITE STANDARD is used for viscosity and filtration control in fresh water mud systems, it also increases cement slurry volumes and decreases slurry weights. The Bentonite must be prehydrated for 24 hours un fresh water.