Bentonite

Drilling Grade API Specs. 13A Section 9

API grade bentonite is a fine ground sodium bentonite. It contains the clay mineral which is smectite specially formulated with polymer and other chemicals. It complies with the American Petroleum Institute drilling fluid specification 13A. It is mainly used in fresh water drilling.

ORIGIN: India

GRADE NAME: KaoSil - 1.71

MINERALOGICAL COMPOSITION

Montmorillonite Group

SALIENT FEATURES

- 90 bbl/ton yield
- Fast and easy mixing
- Stabilize the bore hole
- Keep the bore hole in clean
- Develops good suspension at lower dosage
- Control loss of drilling fluid
- Carry rock cuttings to the surface and leave them there
- Bore hole scavenging for salt water and sweet water
- Withstand formation pressure

Application : Mixing ratio is based on the fresh water purity. Water quality will affect Bentonite performance.

Application	Lb/100gal	Kg/M³
Normal drilling condition	30 - 55 lbs.	36 - 66
Fluid loss control	45 - 75 lbs.	54 - 90
Unconsolidated formations	65 - 80 lbs.	78 - 96

Packaging : 25Kg /50Kg /250Kgs HDPE Laminated Bags

PHYSICAL PROPERTIES	TYPICAL
Viscosity @ 600 rpm	: 30min.
Residue (> 75 micron) (Wet)	: 4% max.
Yield point/plastic viscosity ratio (yp/pv)	: 3max.
Filtrate loss	: 15.0 cm3 max
Moisture content	: <13%
Sand content	: <2%
Filtrate loss (Cm^3)	: 16.0 max
Methylene Blue Absorbency (mb/g)	: 365 to 395
Residue (> 75 micron) (Wet)	: 2.5% max.

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