PROLAT NATURAL INNOVATIVE MATERIALS

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TECHNICAL DATA SHEET

BENTONITE FOR DRILLING VSD

Bentonite for Drilling According to API 13A Standards

Bentonite is an absorbent aluminium phyllosilicate, impure clay consisting mostly of montmorillonite. There are different types of bentonite, each named after the respective dominant element, such as potassium, sodium, calcium, and aluminium. Bentonite usually forms from weathering of volcanic ash, most often in the presence of water.

However, the term bentonite, has been used to describe clay beds of uncertain origin. For industrial purposes, two main classes of bentonite exist: sodium and calcium bentonite.

Chemical characteristic:	**Physical characteristics:**
SiO_2 64.63 %	Moisture max 12%
Al_2O_3 13.70 %	Montmorillonite min 75%
Fe_2O_3 2.72 %	Free swelling index: min 22 ml
CaO 3.94 %	Water Absorption (plate test 4h) min 700%
MgO 2.26 %	
K_2O 0.16 %	**API/OCMA characteristics:**
Na_2O 2,32 %	Viscometer Reading at 600 rpm: min 30
	Ratio Yield Point / Plastic Viscosity: max 6
	Filtrate Loss: max 16 ml

PACKING

30KG PAPER BAG, 1500KG PALLET