



Sphinx Milling Station

API Bentonite (section 9) Oil Drilling Bentonite

Description

API Bentonite is a premium-grade bentonite (a sodium montmorillonite caly) It is used as a primary filter-cake-building, filtration-control and suspension agent in freshwater systems, and has application in all water-base mud systems.

API Bentonite is a high-quality product which meets API 13A Section 9 Specification.

Applications & Benefits

API Bentonite is used to increase viscosity and reduce fluid loss in water base drilling fluids. It is a cost-effective means of achieving viscosity, fluid-loss control and filter-cake quality in freshwater and seawater mud.

- Meets or exceeds API manufacturing standards
- Stabilizes the borehole
- Improves hole-cleaning capacity of drilling fluids
- Reduces fluid loss into the formation
- Is environmentally safe.

Technical Specifications

Analysis	Result	Ref. Standards	Remarks
Yield	<u>16m3/Ton</u> 100 bbl/ton	<u>16 m3/Ton</u> 100 bbl/ton	
Filter loss (30 min. 6.4%bentonite)	14.0 ml	15 ml max.	
Moisture content (105oC)	11.0%	13% max.	
Dry screen analysis(100US mesh)	99.0%	98% min	
PH (5% suspension)	9.0+	8.0+--10.0+	
<u>Suspension properties 6.4%</u> Dial reading (600/300 rpm) Plastic viscosity Yield point	33/26cp 7 19	30 cp min	Ratio =2.7 (3 MAX.)
Wet screen analysis	0.50%	4% max.	

Packaging

API bentonite is available in 25 kg paper sacks and 1 ton jumbo bag.

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