

POTASSIUM LIGNITE

DISPERSANT

INDP 2000 – PRODUCT DATA SHEET

Description

Potassium Lignite is a specially formulated, modified lignite compound compatible with all water base mud systems. However, it is developed specially for use in potassium based mud systems. It is especially effective in high temperature applications and in dispersed systems as a synergistic additive with Lignosulfonate. It can be used in any water based fluid and is also used for thinning and filtration control purposes in water based muds.

Application

Potassium Lignite may be used for rheology and filtration controls in potassium based muds and for helping maintain a constant pH. It is especially effective at stabilizing the property of mud exposed to high temperatures and contaminations.

Advantages

- Contributes the potassium ion to the mud systems and improves rheological properties
- Reduces formation and reservoir damage by limiting the migration of clay
- Reduces washouts and improves well calliper by Base Exchange
- Helps to control water sensitive shale
- Aids in controlling temperature stability of mud by reducing flocculation and gelation
- Improves rheological properties of water based system

Specifications

S.No.	Parameter	Specification
1	Physical State	Powder, free from visible impurities
2	Water Soluble content, percent by mass	55.0 (Minimum)
3	Moisture content at 105±2°C, percent by mass	10.0 (Maximum)
4	pH of 2% (w/v) solution of material in distilled water	9.0 (Minimum)
5	Potassium content, percent by mass	4.0 (Minimum)
6	Chromium content, ppm	100 (Maximum)
7	Apparent Viscosity <i>of treated (1.5% w/v, sample) base mud at 24±2°C</i>	Not more than 45% of the value obtained for base mud
8	Yield Point <i>of treated (1.5% w/v, sample) base mud, lbs./100 sq. ft.</i>	Not more than 30% of the value obtained for base mud
9	Apparent Viscosity <i>of treated (1.5% w/v, sample) and hot rolled (160±2°C, 24 hrs.) base mud at 24±2°C, cP</i>	Not more than 45% of the value obtained for hot rolled base mud
10	Yield Point <i>of treated (1.5% w/v, sample) and hot rolled (160±2°C, 24 hrs.) base mud, lbs./100 sq. ft.</i>	Not more than 25% of the value obtained for the hot rolled base mud

Packaging

25 Kgs pre ply kraft paper bag. Customized packaging is available on request.

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