

CAUSTICIZED LIGNITE

DISPERSANT

INDP 3000 – PRODUCT DATA SHEET

Description

Causticized Lignite is a specially formulated and modified lignite. It is compatible with all water based mud systems and is developed specially for use in potassium based mud systems. It is effective in high temperature applications and in dispersed systems as a synergistic additive with Lignosulphonates.

Application

It may be used for rheology and filtration control in potassium based mud and for maintaining a uniform pH. It is especially effective at stabilizing the property of mud exposed to high temperatures and contaminations. Additionally, It is used for thinning and filtration control purpose in water base mud.

Advantages

- Contributes the potassium ion to the mud systems and improves rheological properties
- Reduces formation and reservoir damage by limiting the migration of clay
- 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	65.0 (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	9.5 (Minimum)
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 25 % 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.