

RESINATED LIGNITE

FLUID LOSS ADDITIVE

INFL 7000 – PRODUCT DATA SHEET

Description

Resinated Lignite is a high temperature and a broad application fluid loss control agent that can be used in virtually all water based mud systems in the presence of contaminants. It is a synthetically formulated resin and lignite complex.

Application

Resinated Lignite is used as a high temperature fluid loss agent. The chemical does not increase the viscosity of the drilling fluid but will stabilize the fluid at high temperature bottom hole conditions, up to 170 – 180°C. Its only limitation is with chlorides, the quantity of which should be less than 70,000 mg/litre and hardness less than 3000 mg/litre.

Advantages

- Reduces fluid losses in all mud density ranges
- High temperature stability than starches or CMC , stable up to 180°C
- Aids in providing shale stabilization
- Does not increase viscosity
- Improves filter cake quality and reduces wall sticking tendencies
- Stabilizes rheological properties

Specifications

S.No.	Parameter	Specification
1	Physical State	Powder, free from visible impurities
2	Moisture content at 105±2°C, percent by mass	10.0 (Maximum)
3	Water Soluble content, percent by mass	70.0 (Minimum)
4	Apparent Viscosity (24±2°C) of 2% (w/v) solution in distilled water, cP	3.0 (Maximum)
5	Chemical assay, elemental Iron, percent by mass	1.8 (Maximum)
6	Chemical assay elemental Chromium, percent by mass	0.1 (Maximum)
7	Apparent Viscosity of treated (2.0% w/v, of sample) hot rolled (160±2°C, 24 hrs. fresh water base mud at 24±2°C, cP	Not more than 40% of the value obtained for hot rolled fresh water base mud
8	HT-HP Filtration Loss of treated (2.0% (w/v) of sample) hot rolled (160±2°C, 24 hrs.) fresh water base mud, ml	Not more than 50% of the value obtained for hot rolled fresh water base mud
9	HT-HP Filtration Loss of treated (2.0% (w/v) of sample) hot rolled (160±2°C, 24 hrs.) salt water (160±2°C, 24 hrs.) base mud, ml	Not more than 50% of the value obtained for hot rolled salt water base mud.

Packaging

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

Recommended Treatment

Normal concentrations used: 2 -8 lb./bbl.

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