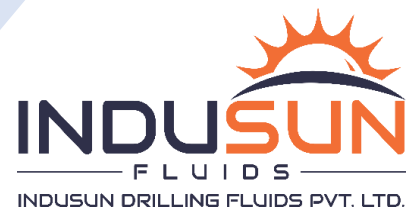


HIGH TEMPERATURE STARCH

FLUID LOSS ADDITIVE

INFL 4000 – PRODUCT DATA SHEET



Description

High Temperature Starch is modified potato starch and provides high thermal stability to about 150°C (302°F). High Temperature Starch is meant for use as a fluid loss control additive in drilling fluids where resistance against fermentation and high temperature stability are required. Our product is suitable for all water-based drilling, work over and completions fluids.

Application

High Temperature Starch – a cross linked amphoteric starch polymer – is used to control fluid loss in HPHT wells in water base drilling fluids.

Advantages

- Thermal stability up to 150°C / 302°F
- Highly effective in fluid loss control
- Bacterial Degradation is effectively checked.
- 100% natural and bio-degradable

Packaging

25 Kgs pre ply kraft paper bag.

Customized packaging is available on request.

Specifications

S.No.	Parameter	Specification
1	Physical State	Free flowing powder, free from visible impurities
2	Moisture content at 105±2°C, percent by mass	10.0 (Maximum)
3	pH of 2% (w/v) solution of material in distilled water at 24±2°C	9.0 (Minimum)
4	pH of 2% (w/v) solution of material in distilled water after ageing at (24±2°C) for 120 hrs.	Drop in pH will not be more than 2.0 Units after 120 hrs.
5	Apparent Viscosity of 2% (w/v) Solution in distilled water at 24±2°C, cP	20.0 (Maximum)
6	Apparent Viscosity of 2% (w/v) Solution in distilled water after ageing at 24±2°C for 120 hrs. , cP	Drop in apparent viscosity will not be more than 3.0 cP after 120 hrs.
7	Qualitative test for presence of Starch	Positive
8	Apparent Viscosity of (NDDF) base mud (10% KCl + 0.4% XCP + 6% MCC in distilled water) at 24±2°C, cP	25.0 (Maximum)
9	API Filtration Loss of (NDDF) base mud (10% KCl + 0.4% XCP + 6% MCC in distilled water), ml	20.0 ± 2
6	Apparent Viscosity of treated (2.0 % (w/v) High Temperature Starch) base mud (NDDF), cP	35.0 (Maximum)
7	API Filtration Loss of treated (2.0 % (w/v) High Temperature Starch) base mud (NDDF), ml	45% (Maximum) of base mud value
8	API Filtration Loss of treated (2.0 % w/v High Temperature Starch) base mud after hot rolling at 140°C for 16 hrs., ml	35% (Maximum) of base mud value
9	API Filtration Loss of treated (2.0 % w/v High Temperature Starch) base mud after hot rolling at 140°C for 16 hrs., and ageing for 120 hrs., ml	35% (Maximum) of base mud value

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