

PRODUCT DATA SHEET

G311 Fluid Loss Control Additive for Oil Well Cementing

Product Description

As the aggregated molecule chain of water soluble polymer can decrease the mud cake permeability of mud slurry, Introducing multi-functional groups in polymer that enhance the ability of anti-high temperature and anti-salt. In addition, by adjusting the molecular weight, impart the fluid loss additive the performance of thickening, suspension.

Characteristics

- G311 is gained by the polymerization of low molecular weight amides, carboxylic acid.
- G311 is a kind of viscous liquid.
- Anti-temperature range: 30°C-120°C.
- Salt range: fresh to saturated water.
- Filtration property: <100mlAPI FL.
- Solubility: soluble .
- Dosage: 4%-6%(BWOC).
- Solubility with cement: applicable for any cement classes.
- Stability: free water approach zero.
- Thickening time: thickening curve approach a right-angle.
- Density range: any density of cement slurry system.
- It has a retarding effect, and when at medium and low temperature conditions, utilizing with the early strength agent and coagulant can adjust thickening time.

Technical Specification

Appearance	viscous liquid
Initial consistency , Bc/80°C.46.5MPa.45min	≤30.0
Mutation value of thickening liner,Bc	≤10.0
40Bc~100Bc, time, min	≤40.0
Fluid loss, ml/80°C.6.9MPa.30min	≤150.0
Free fluid,%	≤1.4
Compression strength, MPa/80°C. Normal pressure. 24h	≥14.0

The ingredients of the cement in the table are: G class cement, 1.90 g/cm³; water quality: distilled water, Dosage of G311: 5.0% (BWOC).

Packing, Storage

- Be stored in 25L plastic barrel, 25kg / plastic barrel.
- Be kept away from moisture and possible damage of the packages at transportation; be stored in cool and dry situation.
- Storage life time is one year.

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