

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: $\leq 100\text{mlAPI FL}$.
- 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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