

PRODUCT DATA SHEET

G31S Fluid Loss Control Additive for Oil Well Cementing**Product Description**

G31S reduces the slurry cake permeability by the aggregation of water-soluble high polymer molecular chain. And a variety of functional groups are introduced into the polymer to enhance the anti high temperature property.

Characteristics

- G31S is polymerized by AMPS, low molecular amide, multi hydroxy carboxylic acid, auxiliary solvent, etc.
- Anti temperature property: 30~160°C.
- Water solubility: dissolved in water easily.
- Generally dosage range: 0.5~1.2% (BWOC).
- Good compatibility with other additives.
- Compatibility with cement: suitable for all levels of oil well cement.
- The cement slurry thickening transition time is short, close to right angle thickening.
- Suitable for low, conventional and high density cement slurry system.
- Having a little retarding property to the cement slurry.

Technical Specification

Items	Specification
Appearance	Free flowing powder or particles
Water content, %	≤8.0
Fineness (0.315mm sieve), %	≤15.0
Initial consistency , Bc/80°C, 46.5MPa, 45min	≤30.0
Mutation value of thickening curve, Bc	≤10.0
40Bc ~ 100Bc time, min	≤40.0
Fluid loss, ml/80°C, 6.9MPa, 30min	≤150.0
Free liquid, %	≤1.4
Compression strength, MPa/102°C, 21MPa, 24h	≥14.0

The ingredient of the cement in the table is: JiaHua G class cement:800g, tap-water:352ml, Dosage of G31S: 0.8% (BWOC).

Packing, Storage

- Sacked with three-layer plastics bag, 25kg per bag.
- Be kept away from moisture and possible damage of the packages in transportation, and stored in cool and dry situation.
- Storage life time is two years.

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