

PRODUCT DATA SHEET

G34S Fluid Loss Control Additives for Oil Well Cementing**Product Description**

G34S belongs to pure polymerization and water-soluble agent, 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 and salt resistance.

Characteristics

- G34S is polymerized by AMPS, low molecular amide, auxiliary solvent, etc.
- Anti temperature property: 30~200°C.
- Anti salt property: fresh water until saturated brine.
- Water solubility: dissolved in water easily.
- Filtration property: ≤ 80 ml API FL.
- Generally dosage range: 0.5~1.5% (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.

Technical Specification

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

The ingredient of the cement in the table is: G class cement, W/C: 0.44, water quality: distilled water, G34S dosage: 0.8%, Density of slurry cement: $(1.90 \pm 0.01) \text{ g/cm}^3$.

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.