

PRODUCT DATA SHEET

G30S Quick-Soluble Fluid Loss Control Additive for Oil Well Cementing**Product Description**

G30S is a copolymer of AMPS, low molecular weight amides, and other monomers. It dissolves quickly in water, thereby reducing dissolution time during on-site slurry preparation. By forming aggregated polymer molecular chains, it decreases the permeability of the cement filter cake and effectively controls fluid loss.

Characteristics

- G30S is polymerized by AMPS, low molecular amide, multi hydroxy carboxylic acid, auxiliary solvent, etc.
- Fine particles, dissolved in water quickly.
- Temperature resistance: up to 160°C.
- Salt resistance: applicable in fresh water to saturated brine.
- Filtration property: ≤ 150 ml API FL.
- Generally dosage range: 0.4~0.8% (BWOC).
- Good compatibility with other additives.
- Compatibility with cement: suitable for all levels of oil well cement.
- The cement has good stability, and free liquid approaches zero.
- The cement slurry has a short transition time, with a thickening curve approaching a right angle.
- Suitable for dry or wet mixing in low-, normal-, and high-density cement slurry systems.

Technical Specification

Items	Specification
Appearance	Free-flowing powder or granules without caking
Moisture, %	≤ 8.0
Fineness (0.315mm sieve residue), %	≤ 15.0
Initial consistency, Bc/80°C, 46.5MPa, 45min	≤ 30.0
Thickening linear mutation value, Bc	≤ 10.0
Transition 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

Cement slurry formulation: G-class high-strength cement; W/C: 0.44; G30S dosage: 0.8% (BWOC); slurry density: 1.90 ± 0.01 g/cm³; water quality: distilled water.

Packing, Storage

- Packed in triple-layer composite paper bags, 25kg per bag.
- During transportation, protect the packaging from damage. Store in a cool, dry place.
- Shelf life: two years.

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