

PRODUCT DATA SHEET

G304 Fluid Loss Control Additive for Oil Well Cementing**Product Description**

G304 reduces fluid loss by forming a dense polymer film and increasing the viscosity of the aqueous phase.”

Characteristics

- G304 is composed of water-soluble polymers and other additives.
- Dosage: 0.8%~2.0% (BWOC).
- Has a slight irritating odor.
- Has a slight retarding effect.
- Applicable temperature range: 30°C~120°C (BHCT). The dosage should be appropriately increased with higher temperatures, and used together with a retarder when necessary to adjust the thickening time.
- Has low initial consistency and good slurry rheology.
- Has no adverse effect on the compressive strength.
- Suitable for dry mixing.

Technical Specification

Appearance	Free-flowing powder or granules without caking
Water content, %	≤8.0
Fineness (0.315 mesh), %	≤15.0
Initial consistency, Bc/80°C . 46.5MPa.45min	≤30.0
Mutation value of thickening linear,Bc	≤10.0
Transition time, min	≤40.0
Fluid loss, ml/80°C . 6.9MPa.30min	≤150.0
Free fluid,%(80°C)	≤1.4
Compression strength, MPa/102°C .21MPa.24h	≥14.0

The cement slurry formulation: G-class high-strength cement, W/C: 0.44; G304 dosage: 1.8% (BWOC);
Water quality: distilled water; Slurry density: 1.90 ± 0.01 g/cm³.

Packing, Storage

- Packed in woven bag with inner plastic liner or triple composite bag, 25kg per bag.
- During transportation, keep the product protected from moisture and damage to the packaging. Store in a cool, dry place.
- Shelf life: two years.

