PRODUCT DATA SHEET

G301 Fluid Loss Control Additive for Oil Well Cementing

Product Description

G301 can enhance the viscosity of water phase in cement slurry and form aggregated chains of polymer to plug the pores in mud cake. So it can reduce the permeability of mud cake and to control fluid loss.

Characteristics

- Normal dosage: 0.8%~2.0% (BWOC). API fluid loss: ≤150ml.
- Composed of a variety of cellulose derivatives and other related additives.
- Almost no free fluid.
- Dissolve easily.
- No obvious thickening effect on cement slurry, show a slight thixotropic behavior; Has certain retarding property which can be eliminated by using accelerator, so it can be used easily to design right-angle thickening slurry.
- Enhance the compression strength of cement gravel.
- Has a definite salt-resisting property.
- Applicable to oil wells whose circulating temperature is between40℃~ 120℃.
- It will be more effective combining with USZ friction reducing additive.
- Mixed with or without water.

Technical Specification

Appearance	Powders and granules
Water content,%	≤8.0
Fineness (0.315mm sieve),%	≤15.0
Initial consistency, Bc	≤30.0
Thickening linear mutation value,Be	≤10.0
Transition time,min	≤40.0
Free fluid, %/60℃	≤1.4
Fluid loss, ml/60℃,6.9MPa,30min	≤150.0
Compression strength, MPa/82℃,0.1MPa,24h	≥14.0

The Ingredients of the cement slurry in the table are: G class cement, W/C 0.44, Dosage of G301:1.2% (BWOC) + USZ: 0.5%, Water quality: distilled water.

Packing, Storage

- Be 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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