PRODUCT DATA SHEET

GH-3S Retarding Type Fluid Loss Additives for Oil Well Cementing

Product Description

The molecular chain bundles of water-soluble high-molecular-weight polymers aggregate to reduce the permeability of the cement slurry filter cake. The introduction of dicarboxylic acid groups and sulfonate groups in the polymer enhances the retarding performance.

Characteristics

- Modified by polymerization of AMPS, low molecular amide, polyhydroxy carboxylic acid, etc.
- Temperature resistance: 30~200℃.
- Salt resistance: fresh water to saturated salt water.
- Water loss reduction performance: APIFL below 100ml.
- Water solubility: easily soluble in water.
- General dosage range: 1~3%(BWOS).
- Good compatibility with other additives.
- Compatibility with cement: suitable for all levels of oil well cement.
- The cement has good stability and the free liquid is close to zero.
- The thickening transition time of cement slurry is short, close to right-angle thickening.
- Suitable for low density, conventional density and high density cement slurry system design.
- Control the loss of cement slurry and have the characteristics of correspondingly prolonging the thickening time.

Technical Specification

Items	Specification
Appearance	Free flowing powders and granules
Water content,%	≤8.0
Fineness (0.315mm sieve),%	≤15.0
Initial consistency,Bc(80℃,46.5MPa,45min)	≤30.0
Thickening linear mutation value,Bc	≤10.0
Time of 40Bc～100Bc,min	≤40.0
Thickening time extension value,min	≥30.0
Filter loss,ml(80℃,6.9MPa,30min)	≤150.0
Free liquid,%	≤1.4
Compression strength,MPa(102℃,21MPa,24h)	≥14.0

Cement slurry formula: G grade oil well cement, fluid loss reducer GH-3S 1.5% (BWOC), water-cement ratio 0.44, cement slurry density: 1.90±0.01g/cm^3, water quality: distilled water or drinking water.

Packing, Storage

- Stored in plastic bag, 25kg/bag, or packed according to the request of clients.
- Kept away from fire, damage and leakage in store and transportation.
- Storage life time is two years.

Email:info@oilchemleader.com

Website:www.oilchemleader.com