

PRODUCT DATA SHEET

GH-I Middle Temperature Retarder for Oil Well Cementing**Product Description**

GH-I adsorbs onto the surfaces of cement hydrates to reduce contact between cement and water, and also adsorbs onto crystal nuclei to prevent their growth. This effectively retards the hydration of the cement slurry.

Characteristics

- Composed of various compounds such as cellulose derivatives and hydroxycarboxylic acids.
- Non-toxic, odorless, and non-corrosive.
- Recommended dosage: 0.1–1.0% (BWOC). More effective when combined with USZ friction reducer for cementing in medium-deep wells.
- Reduces cement slurry consistency and improves rheology.
- Applicable circulating temperature up to 110°C (BHCT).
- Preferably added in dry form.

- **Technical Specification**

Items	Specification
Appearance	Free flowing powder
Water content,%	≤8.0
Fineness (0.315mm sieve),%	<15.0
Thickening time(70°C.39.6MPa.41min), min	≥120.0
Initial consistency(70°C.39.6MPa.41min), Bc	≤30.0
Thickening linear mutation value, Bc	≤10.0
Extension value of thicking time, min	≥60.0
Dosage sensitivity, %	≤25.0
Temperature sensitivity, %	≤20.0
Transition time(70°C.39.6MPa.41min), min	≤40.0
Free liquid(70°C), %	≤1.4
Compressive strength (92°C, 0.1MPa, 24h), MPa	≥14.0

Packing, Storage

- Packed in woven bags with inner plastic liner, or triple-layer composite bags, 25kg per bag.
- During transportation, protect from moisture and package damage.Store in a cool, dry place.
- Shelf life: two years.

Email:info@oilchemleader.com

Website:www.oilchemleader.com