

## PRODUCT DATA SHEET

**G307A Early Strength and Anti-channeling Fluid Loss Control****Additive for Oil Well Cementing****Product Description**

G307A Early Strength and Anti-channeling Fluid Loss Control Additive is a water-soluble polymer. In cement slurry, its molecular chain bundles aggregate, thereby reducing the permeability of the filter cake. In addition, the introduction of multiple functional groups into the polymer improves its dissolution rate at low temperatures and enhances its resistance to high temperature and salinity.

**Characteristics**

- Normal dosage: 0.9%–2.0% (BWOC).
- Applicable temperature range: 30°C–120°C (BHCT).
- It features low fluid loss and is compatible with other additives.
- 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                                          |
| Thickening linear mutation value,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                                          |

Cement slurry formulation: G-class oil well cement; W/C ratio: 0.44; G307A dosage: 1.2% (BWOC);  
Water: distilled water or drinking tap water; Slurry density: 1.90±0.01 g/cm<sup>3</sup>."

**Packing, Storage**

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

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