

PRODUCT DATA SHEET

GD-1 Anti-High temperature Drag Reducing Agent for Oil Well**Cementing****Product Description**

GD-1 drag reducing agent (dispersant) can obtain a suitable slurry rheology by adjusting the surface charge of the cement particle, thus to reducing pump pressure, and improving the displacement efficiency, and fulfilling the purpose of ease of construction.

Characteristics

- GD-1 is Polymerized and modified by raw formaldehyde, acetone and other materials.
- Dosage of GD-1 is 0.05% ~ 0.50%(BWOC),if there is special application, it cannot be limited by this range.
- GD-1 is easy to be dissolved in water.
- It can effectively regulate slurry rheology along with the increase of dosage amount, and can reduce slurry's consistency.
- It has a good capability of anti-high temperature, applicable to 30°C ~ 180°C (BHCT).
- It can make the cement stone denser and develop the anti-pressure capability and also has a certain ability of controlling fluid loss.
- It has a certain ability of retarding.
- GD-1 can both dry mixing and wet mixing.
- It has a good compatibility with other additives.

Technical Specification

| Items | Specification |
|---|--------------------------------------|
| Appearance | No hardened particles or powder |
| Fineness (0.315mm sieve),% | <15.0 |
| Thickened linear(85°C.70.3MPa.44min),Bc | Normal |
| Ratio of thickening time(85°C,70.3MPa,44min) | 1.0 - 2.0 |
| Rheological properties85°C, 0.1MPa | n |
| | k, Pa.sn |
| Ratio of compressive strength, MPa/110°C.21MPa.24h | ≥0.80 |
| Slurry formulation on the table above: G class cement | W/C: 0.44 Dosage of GD-1: 0.5%(BWOC) |
| Quality of water: distilled water | |

Packing, Storage

- GD-1 can be sacked with three three-layer plastics bag, 25kg per bag.
- GD-1 Transportation should pay attention to moisture and packaging damage.
- It should be stored in a cool dry place, and its storage period is two years.

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