

PRODUCT DATA SHEET

G310HS Fluid Loss Additives for Oil Well Cementing**Product Description**

G310HS mechanism of action: the aggregation of water-soluble polymer molecular chains reduces the permeability of the cement slurry filter cake. By introducing a variety of functional groups into the G310H polymer to enhance the high temperature and salt resistance of the product.

Characteristics

- Modified by AMPS, polymerization of low molecular amide and polyhydroxy carboxylic acid.
- Temperature resistance: 40~200℃.
- Salt resistance: fresh water to saturated salt water.
- Water solubility: easily soluble in water.
- General dosage range: 0.8~2%(BWOC).
- 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.
- It is suitable for the design of low density, conventional density and high density cement slurry system.

Technical Specification

Items	Specification
Appearance	Homogeneous solid
Initial consistency,Bc(120℃,60MPa,60min)	≤30.0
Thickened linear	Normal
Time of 40Bc~100Bc,min	≤40.0
Filter loss,ml(120℃,6.9MPa,30min)	≤80.0
Compression strength,MPa(102℃,21MPa,24h)	≥14.0

Cement slurry formula:Grade G oil well cement, 35% quartz sand, 1.5% G310HS (BWOC), 0.3% UPV-L, 1.0% GH-8L The water quality is distilled water or drinking water, and the cement slurry density is 1.90±0.01g/cm³.

Packing, Storage

- Stored in plastic barrels, 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.