

Polymer Filtration Loss Inhibitor[®]

Product Description

It is primarily used to reduce drilling fluid filtrate loss, improve mud cake quality, stabilize the wellbore, and optimize the rheological properties of drilling fluids. Formulated with high-molecular-weight polymers, it offers excellent resistance to temperature, salinity, and contamination, effectively minimizing filtrate intrusion into the formation, reducing reservoir damage, and enhancing the safety and efficiency of drilling operations.

As a medium-molecular-weight polymer, it exhibits good water solubility and compatibility, can be used in conjunction with a variety of drilling fluid additives, and is suitable for freshwater, seawater, and high-salinity water-based drilling fluid systems.

Applications/Features

- Resistant to bacterial degradation
- Improves cuttings integrity
- Good resistance to contamination
- Highly water-soluble and easy to use
- Due to its low molecular weight, it does not affect the viscosity of the system

Technical Indicators

Item	Specifications
Appearance	White powder granules
Molecular Weight	Low to medium molecular weight
Moisture Content	≤8%
pH (1% solution)	6.0–9.0
Water Solubility	Easily soluble in water
Recommended Dosage	For low-cement mortar, add 1–3 kg/m ³
Recommended Dosage	For use in salt-based cement slurry, add 3–9 kg/m ³

