

Modified Asphaltene

Shale stabilizer

Description

Modified asphaltene, a modified hydrocarbon, is used as a shale swelling inhibitor in water-based drilling fluids, reduces torque, reduces fluid loss at high temperatures.

Applications/functions

- Improving the stability of shale.
- Reduced fluid loss in high temperature conditions.

Advantages

- Inhibits loosening of drilled cuttings in the drilling fluid.
- Improves temperature stability up to 205 C.
- Provides lubricity.
- Does not impair the rheological properties of drilling fluids and properties aimed at controlling fluid loss.
- Does not clog drilling equipment.
- Non-toxic.

Typical properties

- | | |
|---------------------------------------|-------------------|
| • Appearance, standard | Black powder |
| • Appearance, coarse | Granular material |
| • Specific gravity, g/cm ³ | 0,98 |
| • pH (1% solution)) | 9-9,5 |

Recommended treatment

Modified Asphaltene is added in the amount of 5.7 - 17 kg/m³.

Package

Modified Asphaltene is packaged in 25 kg sacks.