

Organic Bentonite[®]

Product Description

In oil-based drilling fluid systems, the suspension capacity and rheological properties of the drilling fluid directly determine whether weighting agents, cuttings, and other solid particles can remain uniformly dispersed. Insufficient rheological properties can easily lead to problems such as barite settling, cuttings deposition, and a decline in drilling fluid performance.

Organic bentonite for drilling fluids is an organically modified bentonite product specifically designed for oil-based and synthetic-based drilling fluid systems. The product rapidly forms a stable three-dimensional network structure in diesel, mineral oil, and synthetic base oils, thereby increasing the drilling fluid's viscosity and gel strength and enabling it to maintain good suspension performance and rheological stability even under high-temperature conditions.

Applications/Features

- Increases the viscosity of oil-based drilling fluids
- Enhances suspension capacity
- Prevents barite settling
- Good thixotropic properties
- Temperature resistance up to 180°C

Technical Indicators

Item	Specification
Appearance	Yellowish-white powder
Type	Organic soil
Temperature Resistance	180°C
Specific Gravity	1.7%
Recommended Dosage	6–26 kg/m ³

