

CLAYMINTON® OF-215

Rheology Modifier for oil-based drilling fluids

■ GENERAL INFORMATION

CLAYMINTON® OF-215 is one unique bentonite based organoclay which is designed for oil-based drilling muds and other drilling fluids. It is easily dispersed, self-activating, effective in both diesel based and mineral oil-based fluids. It's normally used as a rheology modifier with excellent dispersibility, suspension properties, resistance to filtration loss, good lubricity etc. Meanwhile, it suspends weighting materials and other solids with less increase in viscosity and gel strength.

Physical Properties

Composition	Bentonite Organoclay
Colour & Appearance	White Powder
Moisture %	≤4
Particle Size (200Mesh Sieve %)	≥95
Specific Gravity, g/cm ³	1.7-2.0

■ KEY APPLICATIONS

CLAYMINTON® OF-215 is recommended to diesel-based drilling fluid, mineral oil based drilling fluid and water-in-oil drilling fluid etc.

CLAYMINTON® OF-215 is a unique efficient organoclay in mud plant and on-site well applications. Furthermore, it provides a good balance of rheology and moderate downhole temperature stability, making it suitable as a primary rheological in all-oil and invert muds based on diesel, mineral oil, poly, linear and isomerized alpha olefins, and modified oil based fluids.

■ **Product Highlights:**

- Highly efficient development of rheological properties
- Rapid yielding ability
- Especially suitable for shallow wells
- Excellent suspension properties and controlling settling in diesel oil and mineral oil system
- Good resistance to the syneresis or separation after hot rolling
- Excellent resistance to filtration loss
- Enhances wellbore cleaning and sand carrying capability in muds
- Suitable for deep wells, temperature stable to 180°C
- Not harmful to the environment

■ **Formulation Consideration**

The typical use levels and viscosities to be given will depend on base oil being used. Recognizing other ingredients can influence the ultimate YP/PV values, the final use level should be optimized to the target rheological values using the complete formulations. Some ladder studies would be considered before using.

■ **Shipping & Packaging**

Shipping Container	Net Weight
Pail/Cartron/Bag	25kg

■ **Product Shelf life**

Its shelf life is two years from manufacturing date.

■ **Product Safety & Additional Information**

For handling, storage, health, and safety information and disposal procedures, as well as additional information, please refer to the Safety Data Sheet (SDS) and product label.

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