

NEWGEL™ NT

VISCOSIFER



NEWPARK
DRILLING FLUIDS

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PRODUCT DESCRIPTION

NewGel™ NT viscosifier is a finely ground, premium-grade, western bentonite that has not been chemically treated. It is used in water-based drilling fluids as an agent for filter cake building, filtration control, and suspension.

BENEFITS

- Increases viscosity and improves hole cleaning
- Reduces filtration rates into permeable zones
- Deposits a thin, tough filter cake
- Stabilizes wellbore through a plastering effect in poorly cemented formations
- Provides gel structure to water-based drilling fluids

APPLICATION

NewGel NT viscosifier is used in freshwater drilling fluid, and can be pre-hydrated for use in saltwater fluids. It is used in concentrations of 5-30 lb/bbl.

TREATMENT RECOMMENDATION

NewGel NT bentonite can be mixed directly into the system through the hopper or pre-hydrated in freshwater before adding to the system. For maximum yield, NewGel NT viscosifier should be mixed in freshwater. As the hardness and salinity of the make-up water increases, the yield of the gel will decrease. Near-maximum yields can be obtained if the water salinity and hardness are maintained below 5,000 mg/L chlorides and 200 mg/L total hardness, respectively.

TYPICAL PHYSICAL PROPERTIES

Appearance.....Tan to gray, free-flowing powder
Dispersed Filtrate Volume.....12.5 mL, max
Dispersed Plastic Viscosity10 cP, min
Yield Point, lb/100 ft².....1.5 x PV, max

HANDLING AND STORAGE

Keep this material dry because NewGel NT powder is extremely slippery when wet. Avoid breathing dust. Use appropriate hygiene, clothing and personal protective equipment suitable for work being done. Review the SDS thoroughly before using this product.

PACKAGING

NewGel NT viscosifier is available in 100-pound (45.4-kilogram) multi-walled bags.

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