



Technical Data Sheet

POLY FORCE NANO R

Product Description

POLY FORCE NANO R is a multi functional polymer that works in hazardous environments to provide viscosity, suspension, fluid loss, and encapsulation. The multi functional benefits provide a higher solids control efficiency that will lower dilution rates. **POLY FORCE NANO R** can work in harsh environments that include magnesium, calcium, or sodium.

Applications: increase viscosity, low end rheology, suspension properties, fluid loss, and encapsulate solids in existing or new build systems.

POLY FORCE NANO R can effectively seals consolidated sands and stabilizes the wellbore.

There is no requirement for enzyme based breaker systems to remove filter cakes with **POLY FORCE NANO R**. The operator can use a much cheaper and quicker breaker in the form of HCL.

Treatments: Typical treatments range from 1 - 4 lb/bbl. Higher concentrations up to 6 lb/bbl could be required depending hole cleaning conditions.

Pilot testing is suggested to determine the actual treatment required to obtain the desired properties.

KEY BENEFITS

- Increasing low end rheology
- Providing suspension for solids
- Promotes highly shear thinning/thixotropic fluid
- Low ECD's
- Cuttings encapsulation
- Provides low dilution rates
- Works in hazardous environments
- Non-damaging to formation

Key Properties

pH	6.0 - 8.5
Color	Off white to white
Physical Form	Powder
Temperature Limit	300°F
sg	0.5 - 0.95
Packaging	25# Sacks