TiKEM PAC-R NFE

TiKEM PAC-R NFE is pure grade, high molecular grade of Polyanionic Cellulosic Polymer (PAC) which is designed as shale inhibitor, fluid loss reducer and viscosifier.

TiKEM PAC-R NFE (NO FISH EYES): version of PAC R with high quality, special easy dispersant form solved in water without creating lumps.

Application:

TiKEM PAC-R NFE is a high-performance product, readily dispersible in water base drilling muds ranging from fresh water to saturated salt water to KCl systems.
It is effective in a wide range of pH. TiKEM PAC-R NFE reduces friction losses normally occurring during vertical and horizontal drilling.

TiKEM PAC-R NFE provides excellent hole cleaning, improves the rate of penetrations and decreases friction loses.
Fluid loss reduction provided by TiKEM PAC-R NFE in drilling fluids is a result of the long polymer chain. It builds up a thin, pliable and resilient filter cake.
Temperature resistance of TiKEM PAC-R NFE is dependent on different variables such as pH, oxygen content, salt and concentrations of salts present, fluid shear rate and exposure temperature.
It has been successfully field used up to 300°F (150°C).

Treatment:

Generally, PAC types should be mixed slowly through conventional jet type mud hoppers. Best results are obtained when the product is mixed at uniform rate, no faster than the mixing equipment can handle (normally 10-20min/sk). Avoid dumping the polymer into the hopper (slugging), as this promotes the formation of lumps or fisheyes which retard dispersion and reduce efficiency.

Regarding this TiKEM PAC-R NFE (NO FISH EYES) has a special easy dispersant particle distribution. It is ready for using within a half an hour; 30 minutes dissolution time is enough even in cold water and low mixing condition. This is an absolutely unique condition between the same portfolio by different producers.

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TiKEM PAC-R NFE is compatible with virtually all additives for water-based systems.
It can tolerate monovalent salts, such as sodium and potassium, at any concentration; divalent salts, such as calcium and magnesium, are tolerated (Ca < 1000 ppm and Mg < 2500 ppm) by TiKEM PAC-R NFE in lower pH range (< 9.5).
At higher pH the product tolerates lower concentrations of these ions.

Suggested dosage is in the range of **1,5-5,5 kg/m^3** water.
Improving effectiveness of bentonite mud suggested dosage is**: 0,5-2 kg/m^3** mud.

General characteristics:

- Appearance: white free flowing powder
- Moisture (max.): 9%
- pH (1% sol.): 7-9
- Bulk density (min.): 600 kg/m^3
- Toxicity: non toxic
- Shelf life: 12 months

Packaging: 25 kg paper sacks, 1000 kg palletized
The product is available from stock

Origin: EU

Exclusive Distributor:
Ti KEM Hungary LTD.
info@tikemhungary.hu

Note:
The data in this technical data sheet is provided for information only. It is correct to the best of our knowledge, information and belief at the date of its publication. All information comes from the producer. It does not constitute a specification and no liability is assumed, nor freedom from any existing patients.

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