



Texan Minerals and Chemicals LLC



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TEXAN 16K HVFR Product Data Sheet

TEXAN 16K HVFR is a premium anionic high molecular weight polyacrylamide friction reducer, in a fine powder form, that is highly effective in fresh to low brine water viscosifying applications. It is easily dispersed, inverted, and hydrated into solution with minimal amount of shear.

TEXAN 16K HVFR is APE (alkyl phenol ethoxylates) and NPE (nonyl phenol ethoxylates) free, thus making it environmentally friendly.

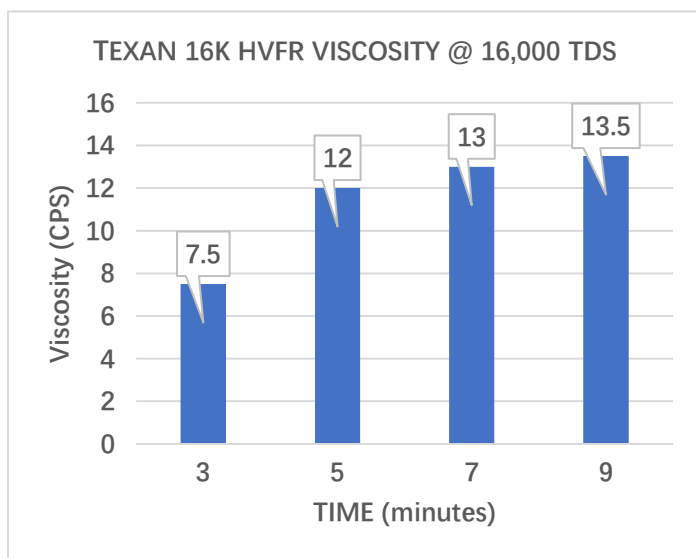
Friction reduction properties of TEXAN 16K HVFR were tested on a custom Flow Loop at a flow rate of 6 gpm, generating 80,000 Reynold’s number. The test section of the loop consisted of pipe having 3/8” O.D. A dosage of 0.5 gpt (via 2% solution, which is equivalent to 1.3 lbs. powder per thousand gallons), was injected on the fly through the suction header of the mono-pump. Total test time was 8 minutes.

It is clearly demonstrated from test results that TEXAN 16K HVFR is a superior product that can produce viscosity in low brine conditions with both monovalent and divalent ions present.

TEXAN 16K HVFR is a 120-mesh powder that performs well in on-the-fly dry hydrating units and benefits both Service Companies and Operators by reducing total mass transported to location and pumped down hole during fracturing treatment.

TEXAN 16K HVFR powder is also suitable for suspensions for operations that require liquid chemical pumping operations.

TEXAN 16K HVFR is competitively priced, offering great savings.



16K Brine	
Calcium (Ca+2)	1340 ppm
Magnesium (Mg+2)	670 ppm
Sodium (Na+)	3934 ppm
Chlorides (Cl-)	10,391 ppm

Form	White Powder
Smell	Odorless
Size	90% pass through 120 mesh
Molecular Weight	18-22 million
Charge	28-33 (Anionic)
Bulk Density	0.86 – 0.93 g/cm3
Insoluble Content	≤ 0.2%

TEXAN 16K HVFR is available in Powder (super sacks or 50 lb. bags), Slurry (totes or ISO). On-the-fly dry hydration pump-in service is available in most US shale basins.



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