

# MAXMOD

## Description

MAXMOD is a unique organic polymer that generates an efficient rheological profile in synthetic based invert emulsion drilling fluids while having a minimal viscosity increase when subjected to reduced temperatures.

## Applications

MAXMOD provides a desirable flat rheological property that is stable through 350°F and can be extended to applications beyond deep water drilling. In addition to maintaining a consistent or flat rheological profile from 40°F through 350°F, MAXMOD is not toxic to marine life.

MAXMOD exhibits an excellent balance of dispersibility for initial viscosity build, efficiency for cost effectiveness and tolerance to adverse conditions for reduced depletion rates. Control of ECD is significantly improved as compared to drilling fluids incorporating only conventional rheological additives.

## Features and Benefits

- Flat rheological profile from 40°F through 350°F
- Stable to bottom hole temperatures in excess of 350 °F
- Environmentally friendly
- Maintain HTHP fluid loss control
- Shear thinning rheological profile for improved ROP

## Typical Properties

Appearance	Liquid
Color	Yellow to amber
Specific Gravity	0.96
Pour Point (°F)	0
Solubility	Water insoluble

## Recommended Treatment

The required concentration of MAXMOD is dependent on the oil/water ratio, base oil type and density of the system as well as type and concentration of surfactants used as emulsifiers and wetting agents and type and concentration of organophilic clay. A fluid with a higher oil/water ratio (i.e. 90:10) will require more MAXMOD than a fluid with a lower oil/water ratio (i.e. 70:30). A higher density fluid will generally require less MAXMOD as compared to a lower density fluid. Generally, concentrations will be in the range of 0.5 to 5.0 lb/bbl (1.42 – 14.2 kg/m<sup>3</sup>). The ratio of organophilic clay to MAXMOD will typically range from 1:0.25 to 1:1.

## Safety and Handling

Prior to using this product, refer to the safety data sheet for information on use of personal protective equipment, safe handling, storage, transport, and disposal.

## Packaging

MAXMOD is available in 55 gal (207 l) drums.

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