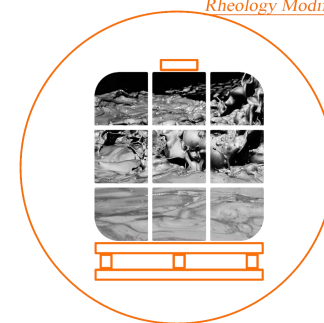


## Oil-Based Mud (OBM) Rheology Viscosifier / Rheology Modifier

Enhance low-shear-rate viscosity (LSRV) and yield point (YP)  
Minimal impact on plastic viscosity (PV)

Rheology Modifier



## Product #: UBDrill-242

### Introduction

UBDrill-242 is a polymeric rheology modifier designed for oil-based drilling fluid (OBM) systems. It is primarily used to enhance low-shear-rate viscosity (LSRV) and yield point (YP) of invert emulsion systems while maintaining a minimal impact on plastic viscosity (PV).

The product is engineered to improve low-end rheology and suspension capacity without significantly affecting other key mud properties such as emulsion stability and HTHP fluid loss. It is fully compatible with standard oil-based mud additives used in modern drilling fluid systems.

### Key Functions

- ✓ Increases low-shear-rate viscosity (LSRV)
- ✓ Enhances yield point (YP) for improved solids carrying capacity
- ✓ Builds low-end rheological structure for better suspension performance
- ✓ Provides effective gel strength development
- ✓ Maintains low impact on plastic viscosity (PV)
- ✓ Helps reduce barite sag and solids settling risks

### Advantages

- ✓ Thermally stable up to 400°F (≈204°C)
- ✓ Effective across a wide temperature range
- ✓ Improves low-end rheology without excessive thickening
- ✓ Maintains good pumpability (low PV increase)
- ✓ Enhances contamination resistance and overall fluid stability
- ✓ Compatible with common oil-based mud additives

### Applications

- ✓ High-performance oil-based drilling fluid systems (OBM / SBM)
- ✓ Deep and high-temperature drilling operations
- ✓ Weighted mud systems requiring improved suspension stability
- ✓ Wells prone to barite sag or poor solids transport
- ✓ Extended static or long-reach drilling sections

### Technical Index

Items	Specification
Appearance	Dark amber, mobile liquid
Flash point, °C	> 75
Pour Point, °C	< -5
Specific gravity(20°C)	0.85 ~ 0.96
Odor	Slightly mineral oil

### Recommended Handling

- A typical dosage is according to the ratio of water/oil and density of OBM, but a pilot test is required for optimal results.
- All personnel handling this material must handle it as an industrial chemical, wearing protective equipment and observing the precautions as described in the Material Safety Data Sheet (MSDS).

### Packaging and Storage

- 200L/Drum
- Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and /or stacking.

For more information on the UBPro Demulsifier Series, Send email: [info@youzhuchem.com](mailto:info@youzhuchem.com), or call 0086 13408536218 or for information on other YouzhuCHEM products visit [youzhuchem.com](http://youzhuchem.com)