

RHEFLAT-X micronized rheological modifier

Contributes to a flat rheological profile



Temperature:

Maintains viscosity from 60 degF to 257 degF [16 degC to 125 degC].

Application

Achieves a stable flat rheology profile in a mineral oil-based nonaqueous fluid (NAF) system

How it improves wells

The RHEFLAT-X* micronized rheological modifier contributes to a flat rheology profile of the RheGuard* flat rheology drilling fluid system and improves hole cleaning and equivalent circulating density (ECD) management. Combined with flat rheology, the nonprogressive gel structure enhances the ability to minimize the pressure required to break circulation compared with conventional organophilic clay-based NAFs.

How it works

The RHEFLAT-X modifier can be used singularly or in combination with other rheology modifiers. The modifier maintains a stable 3-rpm viscosity over a wide temperature range from 60 degF to 257 degF. Adding RHEFLAT-X modifier reduces the requirement of organophilic clays, as the rheology modifier contributes to viscosity.

RHEFLAT-X modifier can be added at the mud plant or rig when building new volume or can be added directly to the active system while drilling. RHEFLAT-X modifier is highly effective, and overtreatment should be avoided.