



Technical Data Sheet

LDP 1800

Product Description

LDP 1800 is an organic gelling agent in a low toxicity mineral oil. LDP 1800 increases low-shear viscosity, gel strengths and thixotropic characteristics of the mud, which improves hole cleaning and cutting carrying capacity. This permits higher rate of penetration while maintaining wellbore stability. LDP 1800 can partially reduce the concentration of organophilic clays in the invert emulsion fluids, producing a shear thinning rheological profile particularly suitable for drilling directional wells. It also provides a satisfactory yield point and gel structure to support weight material with a minimal concentration of organoclay. LDP 1800 can be used in existing systems or in freshly prepared muds. As a secondary effect LDP 1800 can improve the HPHT fluid loss.

Treatments/usage:

Treatments range normally from 1 to 3 lb/bbl depending on the oil/water ratio, properties desired as well as other components of the drilling fluid. After the initial LDP 1800 additions, daily maintenance treatments are required. Overdosing should be avoided. Pilot testing is suggested to determine the actual treatment required to obtain the desired result.

KEY BENEFITS

- **Increases Low-Shear viscosity.**
- **Improves hole cleaning.**
- **Improves wellbore stability.**
- **Improve HTHP fluid loss.**

Key Properties

Color	Dark Brown
Physical Form	Liquid
Sg	0.91 - 0.97
Solubility in water	Insoluble