

# NEWPHPA™ D

SHALE INHIBITOR/RHEOLOGY MODIFIER



**NEWPARK**  
DRILLING FLUIDS

www.newparkdf.com

## PRODUCT DESCRIPTION

NewPHPA™ D shale inhibitor and rheology modifier is a high molecular weight, anionic polyacrylamide designed primarily to provide shale stability and viscosity in water-based drilling fluids. The dry NewPHPA D powder disperses rapidly without balling or fish eyes.

## BENEFITS

**Shale Inhibition:** coats drill cuttings and allows for their removal by the solids control equipment before becoming dispersed in the active drilling fluid system

**Viscosity:** aids in hole cleaning

**Flocculation:** enhances the removal of drill solids

**Lubricity:** enhances performance and reduces torque and drag

## APPLICATION

NewPHPA D shale inhibitor and rheology modifier can be used in freshwater, seawater and sodium or potassium chloride brines, and is very effective in sweeps to aid in hole cleaning.

## TREATMENT RECOMMENDATION

For shale inhibition, NewPHPA D polymer is used in concentrations of 0.25-1.0 lb/bbl. For viscosity, it is used in concentrations of 0.5-1 lb/bbl. The dry powder should be added slowly through the hopper.

## TYPICAL PHYSICAL PROPERTIES

Appearance..... White, granular powder

Bulk Density..... 45 lb/ft<sup>3</sup> (721 kg/m<sup>3</sup>)

pH (0.5% solution)..... 6.0-8.0

## HANDLING AND STORAGE

Keep this material dry because NewPHPA D polymer is extremely slippery when wet. Use appropriate hygiene, clothing and personal protective equipment suitable for work being done. Review the SDS thoroughly before using this product.

## PACKAGING

NewPHPA D shale inhibitor and rheology modifier is available in 50-pound (22.7-kilogram) multi-walled bags.