



Drilling Fluids, Inc.

Specialty Products

X-PEL G

Description

X-PEL-G is a blend of pulverized Gilsonite resins ground to a required particle size to penetrate and stabilize fractures.

Uses

X-PEL-G stabilizes fractured shale zones in both vertical and directional hole sections. X-PEL-G mixes readily without foaming and with no requirement for surfactants.

Benefits

X-PEL-G provides formation stability, acts as a lubricant helping to reduce torque and drag and reduce HT/HP filtration losses.

Treatment

2 to 6 ppb of X-PEL-G is recommended for shale stabilization, 1 to 4 ppb for borehole lubrication and up to 10 ppb for HT/HP filtration rate reduction.

Function

X-PEL-G penetrates fractures to just millimeters beyond the face of the well bore where it creates a seal that physically stabilizes formations. The seal also effectively blocks ion exchange between the drilling fluid and sensitive formations. X-PEL-G is chemically treated to be highly dispersible in water based drilling fluids.

Typical Physical Properties

Physical AppearanceBlack, free flowing powder
Specific Gravity.....1.197
Bulk Density.....40 lb/cu.ft.
Hygroscopic.....yes
pH in water.....neutral

Safe Handling Recommendations

Utilize normal precautions for employee protection when handling chemical products. Use of appropriate respirator, gloves, goggles, and apron is recommended for employee comfort and protection. See Material Safety Data Sheet (MSDS) for this product prior to use.



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Specialty Product

X-PEL G (continued)

Packaging

50 pound multi-wall, paper bags with vapor barrier; palletized and stretch wrapped.