

BYK-GO 8702

High Performance Thinner for Oil-based Drilling Fluids for Use in Both Standard and HPHT Environments.

Product Data

Composition

Copolymer with solids affinic groups

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Solubility:	insoluble in water
Odour:	not significant
Specific Gravity (20 °C):	0.9-1.0
Appearance:	Light amber, clear viscous liquid
Amine value:	35 mg KOH/g
Acid value:	<7 mg KOH/g
Active substance (150 °C, 10 min):	97 %
Flash point:	> 87.8 °C

Applications

Oil-Based Drilling Fluids

Special Features and Benefits

BYK-GO 8702 is a liquid additive for drilling fluids. It is consisting of fatty acid derivatives and is used to lower the rheological properties of synthetic or oil based drilling fluids.

- Very high efficiency per unit
- Quickly reduces high rheological values due to excess drill solids or organoclays
- Yield Point and gel strengths can be reduced without base oil dilution
- Minimizes NPT (nonproductive time) spent conditioning the drilling fluid
- Can be used in HPHT muds

Recommended Use

All diesel or oil-based muds that will be subjected to temperatures under 400 °F.

Recommended Levels

0.25-1.5 lb/bbl (0.7-4.2 kg/m³) additions should be adequate for most formulations and drilling conditions.

Example Performance in a Diesel-Based Mud

AHR 177 °C	600 rpm	300 rpm	6 rpm	Plastic Viscosity	Yield Point	10 min Gel	ES
Base Mud	85	52	11	33	19	11	194
1.5 lb/bbl BYK-GO 8702	63	33	2	30	3	2	134

Incorporation and Processing Instructions

BYK-GO 8702 can be incorporated directly into the mud system. Minimal agitation is required. Pilot testing prior to use on the rig is highly recommended to avoid over treatment of the mud.



Additive Guide



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