

BYK-GO 8720

Low-shear rate rheology modifier for oil and synthetic-based muds.

Product Data

Composition

Solution of an alkyl ammonium salt of polycarboxylic acid.

Typical Properties

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

Appearance: light amber color
Active substance: 55-60%
Density (20 °C): 0.95 g/ml
Solvents: Polyethylene glycol
Flash point: 108 °C

Storage and Transportation

Separation or turbidity may occur at temperatures below 10 °C.

Applications

Oil-Based Drilling Fluids

Special Features and Benefits

- Boosts yield point and low-end rheology dramatically; particularly effective in organoclay containing muds
- Allows systems to be fine-tuned without increasing the plastic viscosity of the mud
- Temperature stable to 177 °C (350 °F)
- Provides suspension under low shear conditions
- Boosts the electrical stability of the mud
- Easily pourable compared to conventional fatty acid rheology modifiers

Recommended Use

Any oil-based drilling fluids containing phyllosilicates (organoclays).

Recommended Levels

0.25-2.0 lb/bbl (0.7-5.5 kg/m³) additions should be adequate for most formulations and drilling conditions.

Example Performance in an 11.0 ppg (1.32 g/cm³), 70/30, Mineral Oil-based Mud

	Initial		Hot-rolled at 121 °C (250 °F)	
	Base Mud	1.0 ppb (2.85 kg/m ³) BYK-GO 8720	Base Mud	1.0 ppb (2.85 kg/m ³) BYK-GO 8720
Yield Point	6	16	5	12
6-rpm	3.3	9.9	3.4	9.1
Plastic Viscosity	15	15	16	17
Electrical Stability	354	657	357	660

Incorporation and Processing Instructions

BYK-GO 8720 can be incorporated directly into the mud system. Minimal agitation is required. Pilot testing prior to use on the rig is highly recommended to determine the minimum required level for effective treatment.



Additive Guide



BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

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