

CARBO-GEL

Enhance viscosity and suspension in invert emulsion drilling fluid systems

Applications

- Invert emulsion drilling fluid systems
 - Compatible with diesel, mineral oil, and synthetic oil base fluids

Features and benefits

- Imparts viscosity and gel building characteristics to invert emulsion drilling fluids
 - Enhances hole cleaning
 - Increases carrying capacity
- Maintains rheological properties at high temperatures
 - Effective up to 400°F (204°C)

The **CARBO-GEL™ viscosifier** from Baker Hughes is a high-purity, high-yielding organophilic clay used as a viscosifying and suspending agent in invert emulsion drilling fluid systems.

CARBO-GEL viscosifier is a “wet-processed” organophilic clay and, as such, is more active than organophilic bentonite clay. CARBO-GEL additive is the primary viscosifier in the Baker Hughes **CARBO-DRILL™**, **CARBO-SEA™**, and **SYN-TEQ™** invert emulsion drilling fluid systems.

The CARBO-GEL additive increases the carrying capacity and hole cleaning characteristics of the drilling fluid and aids in emulsion stability and fluid loss control.

Recommended treatment

Concentrations will vary depending on desired fluid properties. Typically, sufficient viscosity and suspension are achieved with CARBO-GEL clay additions of 1.0 to 5.0 lb/bbl (2.9 to 14.3 kg/m³).

Environmental information

For information concerning environmental regulations applicable to this product, contact the Health, Safety, and Environmental department of Baker Hughes.

Shipping

Transportation of the CARBO-GEL viscosifier is not restricted by either international or United States regulatory agencies.

Safe handling

recommendations

Use normal precautions for employee protection when handling chemical products. See Safety Data Sheet (SDS) prior to use.

Packaging

CARBO-GEL viscosifier is packaged in 50-lb (22.7-kg) and 55-lb (25-kg) multi-walled bags.

Typical properties

Appearance	Tan powder
Hygroscopic	No
Specific gravity	1.7