

**Oil Drilling  
Organoclay**

Revised 11/2004

**GelQuest™ 100**

**General Description** An organoclay rheological additive designed to offer cost effective performance in drilling mud applications.

**Functional Use** GelQuest 100 is an organophilic clay developed for use with low toxicity oil and diesel based drilling muds as a viscosifier and anti-settling additive.

**Composition** Quaternium Montmorillonite

**Typical Specification**

<b>Colour</b>	Light tan
<b>Moisture</b>	3% Maximum
<b>Spec. Gravity</b>	1.7- 1.8
<b>Form</b>	Free flowing powder
<b>Particle size</b>	>85% passing 75 microns

**Performance** GelQuest 100 is used to increase the yield point and gel strength of an oil mud system and is effective in improving the carrying capacity of low weight oil muds. 100 is generally suitable in most systems for operating temperatures of 320 F, the limit depending upon the system in use.

**Typical Analysis**

Results given below are derived using invert drilling muds.

Testing system:

75:25 invert using low aromatic base oil and 0.75 activity CaCl<sub>2</sub> brine. Mud weight 11 ppg.

	AV	PV	YP	GELS
Fresh mud at 10 ppb Gelquest 100	37	29	15	15/22
Aged Mud (250F)	57	44	26	16/49

**Treatment** GelQuest 100 is recommended for use at 5-12ppb on yield point

**Packaging** 25 kg paper sacks or 50lb paper sacks on request.

**Disclaimer:** The information and data contained herein are believed to be accurate and reliable. ACC makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information