NEVADA

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PRODUCT BULLETIN
THERMOGEL

DESCRIPTION

THERMOGEL is a specialty drilling mud clay produced from the mineral sepiolite by IMV Nevada at plants located in the Amargosa Valley, twelve miles south of Hwyt 95 and three miles west of Hwy 373.
THERMOGEL derives its name from its unique property of temperature stability. THERMOGEL is temperature stable with no gelation or dehydration at temperatures in excess of 600oF.

Yield ranges from 110 to 125 BBLS/Ton.

In fresh water, the water loss will range between 30 cc. And 50 cc. In thirty minutes.

TYPICAL CHEMICAL PROPERTIES	%
Silicon (SiO_2)	56.0
Aluminum (Al_2O_3)	4.0
Iron (Fe_2O_3)	1.0
Magnesium (MgO)	20.0
Calcium (CaO)	0.5
Sodium (Na_2O)	1.4
Potassium (K_2O)	1.4
L.O.I. (1000°C)	15.7

Metals listed are complexed in the mineral structure and do not exist as free oxides.

TYPICAL PHYSICAL PROPERTIES

Particle Size	Finely-Ground Powder
Moisture As Shipped	16% max
200 Mesh Residue (Wet)	8% max
Bulk Density (Uncompacted)	45-55 lbs/cu. ft.
*Viscosity (Fresh Water)	30 initial

* Dial reading on a suspension of 22.5 g of THERMOGEL in 350 cm3 of deionized water on Fann Viscometer of 11,000 +300 rpm under load on Multimixer with 1“ corrugated impeller, stirred 20 minutes.

PACKAGING

Available in 50 lb. (3-ply natural bags) & bulk bags. Shipped on 42x42 non-returnable pallets.

Revised 8/15/06