



TECHNICAL INFORMATION



CEMENTGEL™

Description:

CEMENTGEL™ is a natural sodium bentonite for well cementing, slurry walls and other applications where non-polymer treated bentonite is required.

Typical Characteristics:

Bulk Density (lbs./ft³):	52 ± 3
Color:	Light Grey to Tan
pH:	9.1 ± 0.4
Specific Gravity:	2.55 ± 0.1
Moisture Content (%):	≤12
Sieve Analysis (% Passing #200 Sieve):	80 ± 4
YP/PV Ratio:	0.8
Plastic Viscosity	8
Fluid Loss – 30 minutes (cc):	13.0 ± 1

Typical Chemical Analysis:	%
SiO ₂	60.34
Al ₂ O ₃	19.28
Fe ₂ O ₃	3.48
Na ₂ O	2.34
TiO ₂	.22
CaO	.38
MgO	1.67
K ₂ O	.10
H ₂ O	7.75
Other	.07
L.O.I.	4.37

EP Toxicity Analysis:	E.P.A Standard (ppm)	Typical Analysis (ppm)
Arsenic	5.0	<0.1
Barium	100.0	0.5
Cadmium	1.0	<0.05
Chromium	5.0	<0.1
Lead	5.0	<0.1
Mercury	0.2	<0.02
Selenium	1.0	<0.05
Silver	5.0	<0.1

USES: Additive to cement formulations for oil and gas, water, mineral exploration, environmental and other well cementing operations. Other cement applications where increased plasticity and flowability and reduced cured permeability are desirable. Slurry cut-off walls, drilling, boring, grouting or industrial applications where all-natural bentonite is desirable.

Rev 10/23

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