

PDSCo GROUT

30% BENTONITE



DESCRIPTION

PDSCo Grout (30%) is a specially modified sodium bentonite. It can be mixed in jet-hopper mixers or other conventional mixing equipment such as recirculating mud pumps. **PDSCo Grout (30%)** can be used as a drilled hole abandonment fluid, a water well grouting fluid, or for sealing monitoring well casing. Available in 50 lb multi-walled paper bags.

MIXING RATIO

The recommended mixing ratio is 50 lb (23 kg) **PDSCo Grout (30%)** to 14 gallons (53 liters) of water for 30% solid content. The table below lists yields attainable for various mixing ratios. It is not recommended that the mixing concentration be less than 25% solids.

Solid Content	Mud Weight (lbs/gal)	Lbs of Grout/Gal. of water
25%	9.90	2.76
26%	9.95	2.92
27%	10.00	3.08
28%	10.05	3.24
29%	10.10	3.40
30%	10.15	3.57

MATERIAL SPECIFICATIONS

Dry Fineness	:	60% passing 40 mesh screen, 8% passing 200 mesh screen
Processed Bulk Density	:	58.0 ± 4 lbs/ft ³
Actual Bulk Density	:	146 ± 4 lbs/ft ³
Moisture content	:	5.9%
pH	:	5% slurry, 8 to 10.5
Specific Gravity	:	10.15 lbs/gal when prepared according to specifications
Slurry Solids Content	:	30% when prepared according to specifications

TYPICAL CHEMICAL ANALYSIS

ELEMENT		
SiO ₂	54.12	%
Al ₂ O ₃	19.00	%
Fe ₂ O ₃	6.00	%
TiO ₂	0.02	%
CaO	1.30	%
Na ₂ O	9.70	%
MgO	2.00	%
K ₂ O	0.46	%
MnO	0.40	%
Other	0.20	%
L.O.I	6.80	%

E. P. TOXICITY

	STD PPM	TYPICAL ANAL (PPM)
Arsenic	5.00	0.02
Barium	100.00	0.90
Cadmium	1.00	0.02
Chromium	5.00	0.06
Lead	5.00	0.10
Mercury	0.02	0.0008
Selenium	1.00	0.07
Silver	5.00	0.02

