

PDSCo GEL

BENTONITE GEL

DESCRIPTION

PDSCo Gel is a chemically altered western sodium bentonite which contains polymer additives. **PDSCo Gel** is an API-13A treated bentonite that yields 90 barrels (minimum) of fluid to one ton of material.

APPLICATION

PDSCo Gel is ideal for use in a variety of drilling applications. It diminishes fluid loss conditions, reduces seeping into permeable formations, and helps eliminate loss circulation conditions.

RECOMMENDED USAGE

Normal Formation : Mix 30-50 lbs of **PDSCo Gel** per 100 gallons of makeup water.

Unstable Formation : Increase to 45-80 lbs per 100 gallons of makeup water.

PACKAGING

Available in 50 lb multi-walled paper bags.

TYPICAL CHEMICAL ANALYSIS

Silica	SiO ₂	61.3	%
Alumina	Al ₂ O ₃	19.8	%
Ferric Oxide	Fe ₂ O ₃	3.9	%
Magnesia	MgO	1.3	%
Titanium Oxide	TiO ₂	0.1	%
Lime	CaO	0.6	%
Potash	K ₂ O	0.4	%
Soda	Na ₂ O	2.2	%
Trace Elements		3.2	%
Water (crystal)	H ₂ O	6.5	%
pH		8.9-10.5	

X-RAY ANALYSIS

85 %	Montmorillonite
5%	Quartz
5%	Feldspars
2%	Cristobalite
2%	Illite
1%	Calcite and Gypsum

SPECIFICATIONS	ANALYSIS	API SPECIFICATIONS	
Yield Point/Plastic Viscosity Ratio	0.4 – 0.5	1.5	Maximum
Plastic Viscosity	12 – 16	10 CPS	Minimum
Filtrate, Relative, 30 min.	11.0 – 12.0	12.5 cm ³	Maximum

