

Technical Data Sheet

PRIME-GEL API13-A

Product Description: PRIME-GEL is an API certified 200 mesh premium-grade sodium bentonite which complies with the current edition of API Specification 13A, section 9 requirements. PRIME-GEL functions as a viscosifier and filtrate reducer in freshwater drilling systems. PRIME-GEL API13-A is used mostly as a drilling mud for such applications as oil well, mineral exploration, water well, seismic, caisson, and horizontal drilling. It is also used for slurry trenching, seepage cut-offs, pollution control, Reservoirs, Landfills, Hazardous Material Containment, and structural diaphragm walls. To achieve 90+ barrels add water in a ratio of 15 parts to 1 part Prime-Gel.

Physical Properties:

Density (compact)	66 PCF
pH Value	8.5 – 9.0
Swell	1400 -1800 %
Color	Tan to Beige
API 13A Section 9 Specifications:	
Viscometer Dial Reading at 600 rpm	42 (30 Min.)
Yield Point/Plastic Viscosity Ratio	1.5 (3 Max.)
Filtrate Volume	13.7 cm ³ (15.0 cm ³ Max.)
Residue Greater than 75 Micrometers	3.0 wt. % (4.0 wt. % Max.)
Moisture	7-12 wt. %

Mixing Recommendations:	lb./100 gal	lb./bbl.	Kg/m ³
Added to Fresh Water			
Normal drilling conditions	30-50	13-22	35-60
In Gavel or poorly consolidated Formations	60-80	25-35	70-100
To stop loss of circulation	70-95	30-40	85-110

Available Packaging:

50 lb., 100 lb. bags, bulk bags and Bulk FOB Oxnard, CA or Aurora, UT. DMI can also provide on-site storage



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