

**Medium Viscosity
200 Mesh**

Rev: 8/28/09

Volclay[®] Premium Gel

General Description	General purpose filler for use when mild thixotropic properties are desirable. Premium Gel is a 200 mesh rheology enhancer.
Functional Use	Multi-purpose suspending, emulsifying, and binding agent used in industrial products where a dry 200 mesh particle size and medium viscosity is required.
Purity	Hydrous aluminum silicate comprised principally of the clay mineral montmorillonite. Contains small portions of feldspar, calcite, and quartz.
Chemical Formula	Diocahedral smectite, an expanding layer silicate: (Na,Ca) _{0.33} (Al _{1.67} Mg _{0.33})Si ₄ O ₁₀ (OH) ₂ ·nH ₂ O

Specifications:

	<u>Typical Analysis</u>	<u>A.P.I. Specification</u>
Fann 600 Reading	35.0 cps.	30.0 cps. min.
Fann 300 Reading	25.0 cps.	---
Plastic Viscosity	10.0 cps.	---
Yield Point (lb/100 sq ft)	15.0	3 x plastic vis. max.
Apparent Viscosity	17.5 cps.	---
Dry Screen Analysis (% minus U.S. 200 Mesh)	80.0%	---
Wet Screen Analysis (% Retained on U.S. 200 Mesh)	2.5% - 4.0%	4.0% max.
Moisture at time of shipment	7.0% - 10.0%	10.0% max.
pH	9.0-10.0	---

Chemical Description:

SiO ₂	61.3%	Na ₂ O	2.2%
Al ₂ O ₃	19.8%	TiO ₂	0.1%
Fe ₂ O ₃	3.9%	Trace Elements	3.2%
MgO	1.3%	H ₂ O (Crystal)	6.5%
CaO	0.6%	ph	8.9% - 10.5%
K ₂ O	0.4%		

Packaging 100 or 50 pound multi-wall paper bags, supper sacks, & bulk

Disclaimer: The information and data contained herein are believed to be accurate and reliable. ACC makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information