

**General Purpose
325 Mesh Powder**

Revised 05/25/01

VOLCLAY[®] ACCU-GEL F

General Description	A high efficiency, micronized sodium bentonite exhibiting superior thixotropic properties and fine particle size.																		
Functional Use	General purpose thixotropic agent used in applications where relatively fine particle size is required. Particularly useful for plasticizing, binding and thickening many industrial applications.																		
Purity	Hydrous aluminum silicate comprised principally of the clay mineral montmorillonite. Contains minor amounts of feldspar, calcite, and quartz.																		
Chemical Formula	Diocahedral smectite, an expanding layer silicate: $(\text{Na,Ca})_{0.33}(\text{Al}_{1.67}\text{Mg}_{0.33})\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$																		
Elemental Composition	Typical analysis – moisture free. <table><tr><td>SiO₂</td><td>63.02 %</td></tr><tr><td>Al₂O₃</td><td>21.08 %</td></tr><tr><td>Fe₂O₃</td><td>3.25 %</td></tr><tr><td>FeO</td><td>0.35 %</td></tr><tr><td>MgO</td><td>2.67 %</td></tr><tr><td>Na₂O</td><td>2.57 %</td></tr><tr><td>CaO</td><td>0.65 %</td></tr><tr><td>Trace</td><td>0.72 %</td></tr><tr><td>LOI</td><td>5.64 %</td></tr></table>	SiO ₂	63.02 %	Al ₂ O ₃	21.08 %	Fe ₂ O ₃	3.25 %	FeO	0.35 %	MgO	2.67 %	Na ₂ O	2.57 %	CaO	0.65 %	Trace	0.72 %	LOI	5.64 %
SiO ₂	63.02 %																		
Al ₂ O ₃	21.08 %																		
Fe ₂ O ₃	3.25 %																		
FeO	0.35 %																		
MgO	2.67 %																		
Na ₂ O	2.57 %																		
CaO	0.65 %																		
Trace	0.72 %																		
LOI	5.64 %																		
Moisture	Maximum 12% as shipped.																		
Dry Particle Size	Minimum 96% finer than 200 mesh (74 microns).																		
Wet Particle Size	Minimum 94% finer than 200 mesh (74 microns). Minimum 92% finer than 325 mesh (44 microns).																		
pH	8.0 - 10.0 @ 5% solids.																		
Viscosity	15 cps minimum @ 6.25% solids.																		
Packaging	50 or 100 pound multi-wall paper bags, or 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