

**Industrial
Flocculant Aid**

Revised 11/5/2012

VOLCLAY[®] ACCOFLOC 350

General Description	A finely-divided inorganic flocculant composed principally of the clay mineral montmorillonite.																		
Functional Use	Used alone or in conjunction with polyelectrolytes or flocculating inorganic salts, Accofloc 350 will assist in increasing the rate and efficiency of flocculation.																		
Purity	Hydrous aluminum silicate comprised principally of the clay mineral montmorillonite. Contains minor amounts of feldspar, calcite, and quartz.																		
Chemical Formula	Dioctahedral 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 %
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Moisture	Maximum 10% as shipped.																		
Dry Particle Size	Minimum 65% 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 to 10.5 @ 5% solids.																		
Free Swell	28 milliliters per 2 grams clay (typical).																		
Packaging	50 or 100 pound multi-wall paper bags, or bulk.																		