

**General Purpose
200 Mesh Powder**

Revised 05/25/01

VOLCLAY® SPV 200

General Description	SPV 200 is a selectively-mined and processed, high-quality sodium bentonite.																		
Functional Use	Multi-purpose suspending, emulsifying, and binding agent used in industrial products where a dry 200 mesh particle size 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: $(\text{Na,Ca})_{0.33}(\text{Al}_{1.67}\text{Mg}_{0.33})\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$																		
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 12% as shipped.																		
Dry Particle Size	Minimum 65% passing 200 mesh (74 microns).																		
Wet Particle Size	Minimum 94% passing 200 mesh (74 microns). Minimum 92% passing 325 mesh (44 microns).																		
pH	8.5 to 10.5 @ 5% solids.																		
Viscosity	8 - 30 cps @ 6.25% solids.																		
Packaging	50 or 100 pound multi-wall paper bags, or bulk.																		

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