

Hectalite[®] 200

Application: Emulsion stabilizer, suspending agent

Grade: Micronized Hectorite

TYPICAL ANALYSIS

General Description	High-purity, micronized sodium hectorite clay, consisting of microfine particles		
Functional Use	Emulsion stabilizing, gelling, suspending, and binding. High-yielding hectorite clay that exhibits high efficiency, excellent rheology and stability. Typically used in dishwasher liquids, cementitious products, cleaners, architectural paints, ceramics, and adhesives.		
Purity	Composed principally of the clay mineral Hectorite		
Chemical Formula	A trioctahedral smectite, an expanding layer silicate $(Ca,Na)_{0.33}(Mg_{2.66},Li_{0.33})Si_4O_{10}(F,OH)_2$		
Brightness	70 minimum	Texture	Soft, slippery
Free Swell	Minimum 24 mls	Odour	None
Moisture	12% maximum	Taste	None
Viscosity	1000 - 3000 cps @ 3% solids	Colour	White to off-white
Spec. Gravity	2.6	pH	9.0 - 11.0 @ 2% solids
Solubility	Insoluble in water or alcohol; 1g of clay produces a surface area greater than 750 m ² when fully dispersed		
Dry Particle Size	95.00% less than 325 mesh (44 micron)		
Wet Particle Size	99.75% less than 200 mesh (74 micron) 99.00% less than 325 mesh (44 micron)		
Elemental Analysis (Moisture Free)	SiO ₂ 60.8%	Al ₂ O ₃ 1.58%	
	MgO 20.3%	Fe ₂ O ₃ 1.23%	
	CaO 12.1%	Na ₂ O 2.80%	
	Li ₂ O 1.29%	K ₂ O 0.33%	
	LOI 8.50%		
Packaging	5 ply Multi-wall, poly lined, moisture resistant bags (25 kg)		

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