

Hectabrite[®] AW

Application: Suspending agent, binder, viscosifier, emulsion stabiliser
Grade: Hectorite flakes

TYPICAL ANALYSIS

General Description	Highly-purified white sodium hectorite, water-washed. Hectabrite AW is surface modified and supplied as small flakes to ease dispersion		
Functional Use	Suspending agent, viscosifier, binder, and emulsion stabilizer for cosmetics, pharmaceuticals, and personal care products. Exhibits high thixotropy to enhance a broad range of formulations. Hectabrite AW delivers high viscosity to be incorporated in low solids preparations		
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	78 minimum	Texture	Soft, slippery
Gel Formation	Minimum 2 mls	Odour	None
Moisture	4-10% as shipped	Taste	None
Viscosity	1500 - 3500 cps @ 4% solids	Colour	White to off-white
Spec. Gravity	2.6	pH	9.0 - 11.0 @ 2% solids
Free Swell	Minimum 70 mls		
Solubility	Insoluble in water or alcohol; 1g of clay produces a surface area greater than 750 m ² when fully dispersed		
Moisture	Typically moisture free		
Dry Particle Size	White flakes – ranging between 20-100 mesh		
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 61.8%	Al ₂ O ₃ 1.58%	
	MgO 20.3%	Fe ₂ O ₃ 1.23%	
	CaO 10.1%	Na ₂ O 2.80%	
	Li ₂ O 1.29%	K ₂ O 0.33%	
	LOI 4.50%		
Packaging	5 ply Multi-wall, poly lined, moisture resistant bags (25 kg)		

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