



VOLCLAY® HPM-20

Volclay® HPM-20 is a high-purity, air-classified sodium bentonite that is selectively-mined. It consists of micronized particles and supplied as a free-flowing powder. This high-purity montmorillonite is typically used where small particle size is required for pesticide and fertilizer applications.

Purity	Hydrous aluminum silicate, air purified to concentrate the finest montmorillonite fraction from the bentonite ore. Contains traces of feldspar, quartz, calcite, and gypsum.		
Solubility	Insoluble in water or alcohol; one gram of clay produces a surface area greater than 750 sq. meters when fully dispersed.		
Moisture	12% maximum as shipped	Texture	Soft, slippery
Viscosity	8-30 cps @ 6.25% solids	Odor	None
Spec. Gravity	2.6	Taste	None
Color	Gray to Tan	pH	8.5-10.5 @ 2% solids
Dry Particle Size	Minimum 99.00% finer than 200 mesh (74 microns)		
Wet Particle Size	Minimum 99.75% finer than 200 mesh (74 microns) Minimum 99.00% finer than 325 mesh (44 microns)		
Elemental Composition	Typical analysis – moisture free		
	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 %	
Packaging	50lbs (22.68kgs) five-ply multi-wall poly-lined bags (moisture resistant)		

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The information contained herein is believed to be accurate and reliable. AMCOL accepts no responsibility for the results obtained through use of this product. AMCOL reserves the right to update information without notice.

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