

AccoPure® VF

General Description	High purity sodium montmorillonite, selectively mined, consisting of micronized particles and supplied as a free-flowing powder.		
Functional Use	This high purity montmorillonite is specially mined for use as a flocculant aid for industrial and municipal process and waste water treatment. When dispersed in a wastestream, AccoPure VF binds with contaminants to help increase floc size. Resulting floc increases treatment efficiency, and improves effluent turbidity and suspended solid. Best performance is achieved when used in combination with a medium to high molecular weight cationic or non-ionic flocculant.		
Purity	Principally composed of the clay mineral montmorillonite. Contains minor amounts of quartz, calcite, and mica.		
Solubility	Insoluble in water or alcohol. One gram of clay produces a surface area greater than 750 sq. meters when fully dispersed.		
Moisture	7 - 14% as shipped	Texture	Soft, slippery
Odor	None	Taste	None
CEC	Typically 100 meq/100g	pH	9.5 – 11.5 @ 5% solids
Dry Brightness (ISO TAPPI)	Typically 40		
Wet Particle Size	Minimum 99.8% finer than 200 mesh (74 microns).		
Dry Particle Size	Minimum 99.0% finer than 200 mesh (74 microns).		
Chemical Formula	Diocahedral smectite, an expanding layer silicate: $(\text{Na,Ca})_{0.33} (\text{Al}_{1.67}\text{Mg}_{0.33})\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$		
Packaging	5-ply multi-wall poly-lined bags 25kg net, or 1,000kg net jumbo bags.		

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