

AccoSorb[®] BC

General Description	AccoSorb BC is a selectively mined, sodium-activated montmorillonite which has been finely milled and is supplied as a free-flowing powder.		
Functional Use	This montmorillonite is specially mined and modified for use as a pitch control agent to partially or wholly replace organic and inorganic pitch control agents. The specific surface area and chemical nature of the product makes it particularly suitable for passivation and adsorption of stickies and pitch particles in the stock approach system of a paper machine.		
Purity	Principally composed of colloidal montmorillonite. Contains trace amounts of quartz, feldspar, and calcite.		
Solubility	Dispersible but insoluble in water or alcohol. One gram of montmorillonite 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 110 meq/100g	pH	9.5 – 11.5 @ 5% solids
Dry Brightness (ISO TAPPI)	>30		
Wet Particle Size	Minimum 99.0% finer than 325 mesh (44 microns).		
Dry Particle Size	Minimum 98.0% finer than 200 mesh (74 microns).		
Chemical Formula	Montmorillonite, a dioctahedral smectite (expanding phyllosilicate), having an ideal composition: $(\text{Na,Ca})_{0.33}(\text{Al}_{1.67}\text{Mg}_{0.33})\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$		
Elemental Composition	Typical analysis – moisture free.		
	SiO ₂ 53.23 %`	Na ₂ O	6.24 %
	Al ₂ O ₃ 16.17 %	CaO	4.17 %
	MgO 4.89 %	K ₂ O	0.77 %
	Fe ₂ O ₃ 12.74 %		
Packaging	5-ply multi-wall poly-lined bags 25kg net, or 1,000kg net jumbo bags.		

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