

AccoForm[®] WS

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 drainage, retention, and formation aid in the manufacture of paper products, esp. fine paper grades. Best performance is achieved when used in combination with a medium to high molecular weight cationic or nonionic 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	6 - 12% as shipped	Texture	Soft, slippery
Viscosity	170 cps min @ 5% solids	Odor	None
Settleable	15% maximum	Taste	None
Dry Brightness (ISO TAPPI)	63.5min	pH	8.5 – 11.5 @ 5% solids
Spec. Gravity	2.6	CEC	95 - 115 meq / 100g
Wet Particle Size	Minimum 99.8% finer than 325 mesh (44 microns).		
Dry Particle Size	Minimum 98.0% finer than 325 mesh (44 microns).		
Chemical Formula	Diocahedral smectite, an expanding layer silicate: (Na,Ca) _{0.33} (Al _{1.67} Mg _{0.33})Si ₄ O ₁₀ (OH) ₂ nH ₂ O		
Packaging	5-ply multi-wall poly-lined bags 25kg net, or in 1,000kg net jumbo bags.		

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