

Revised January 2009

## AccoForm<sup>®</sup> WT

<b>General Description</b>	High purity sodium montmorillonite, selectively mined, consisting of micronized particles and supplied as a free-flowing powder.			
<b>Functional use</b>	This high purity montmorillonite is specifically mined for use as a drainage, retention, and formation aid in the manufacture of paper products, especially fine paper grades. Best performance is achieved when used in combination with a medium to high molecular weight cationic or non-ionic flocculant.			
<b>Purity</b>	Principally composed of the clay mineral montmorillonite. Contains minor amounts of quartz, plagioclase, feldspar, calcite, dolomite, opal and hematite			
<b>Solubility</b>	Insoluble but dispersable in water or alcohol. One gram of clay produces a surface area greater than 750 sq. meters when fully dispersed.			
<b>Moisture</b>	7 - 14% as shipped	<b>Texture</b>	Soft, slippery	
<b>Odour</b>	None	<b>Taste</b>	None	
<b>CEC</b>	Typically 140 meq /100g	<b>Settleable</b>	15% maximum	
<b>ISO TAPPI Brightness</b>	Typically 79	<b>pH</b>	9.5-11.0 @5%solids	
<b>Wet Particle Size</b>	Minimum 99.9% finer than 300 mesh (53 microns).			
<b>Dry Particle Size</b>	Minimum 95.0% finer than 300 mesh (53 microns).			
<b>Chemical Formula</b>	Diocahedral smectite, an expanding layer silicate:  (Na,Ca) <sub>0.33</sub> (Al <sub>1.67</sub> Mg <sub>0.33</sub> )Si <sub>4</sub> O <sub>10</sub> (OH) <sub>2</sub> ·nH <sub>2</sub> O			
<b>Elemental Composition</b>	Typical analysis – moisture free.			
	SiO <sub>2</sub>	66.48 %`	Na <sub>2</sub> O	3.36 %
	Al <sub>2</sub> O <sub>3</sub>	17.59 %	CaO	2.97 %
	Fe <sub>2</sub> O <sub>3</sub>	1.95 %	K <sub>2</sub> O	0.44 %
	MgO	6.88 %		
	All metals are expressed as oxides, which are complexed in the mineral			
<b>Packaging</b>	5-ply multi-wall poly-lined bags 25kg net, 1,000kg bulk bag or bulk			

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