

AccoForm® WG

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 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.		
Purity	Principally composed of the clay mineral montmorillonite. Contains minor amounts of quartz, plagioclase, feldspar, calcite, dolomite, opal and hematite.		
Solubility	Insoluble but dispersable 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
Odour	None	Taste	None
CEC	Typically 140 meq /100g	Settleable	15% maximum
ISO TAPPI Brightness	Typically 79	pH	9.5-11.0 @5%solids
Wet Particle Size	Minimum 99.9% finer than 300 mesh (53 microns).		
Dry Particle Size	Minimum 95.0% finer than 300 mesh (53 microns).		
Chemical Formula	Diocahedral smectite, an expanding layer silicate: $(\text{Na,Ca})_{0.33}(\text{Al}_{1.67}\text{Mg}_{0.33})\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$		
Elemental Composition	Typical analysis – moisture free.		
	SiO ₂ 66.48 %`	Na ₂ O 3.36 %	
	Al ₂ O ₃ 17.59 %	CaO 2.97 %	
	Fe ₂ O ₃ 1.95 %	K ₂ O 0.44 %	
	MgO 6.88 %		
	All metals are expressed as oxides, which are complexed in the mineral		
Packaging	5-ply multi-wall poly-lined bags 25kg net, 1,000kg bulk bag or bulk		

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