

## AccoForm<sup>®</sup> BI

**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, anatase, hematite and Kaolinite.

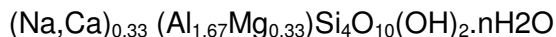
**Solubility** Dispersible but insoluble in water or alcohol. One gram of clay produces a surface area greater than 750 sq. meters when fully dispersed.

<b>Moisture</b>	7 - 14% as shipped	<b>Texture</b>	Soft, slippery
<b>Odour</b>	None	<b>Taste</b>	None
<b>CEC</b>	Typically 124 meq/100g	<b>Settleable</b>	15% maximum
<b>ISO TAPPI Brightness</b>	Typically 37	<b>pH</b>	9.5–11.0 @ 5% solids

**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** Dioctahedral smectite, an expanding layer silicate:



**Elemental Composition** Typical analysis – moisture free.

SiO <sub>2</sub>	55.62 %	Na <sub>2</sub> O	3.74 %
Al <sub>2</sub> O <sub>3</sub>	22.36 %	CaO	0.91 %
Fe <sub>2</sub> O <sub>3</sub>	9.86 %	K <sub>2</sub> O	0.18 %
MgO	2.49 %		

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