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## Satintone<sup>®</sup> 5HB

### Calcined Aluminum Silicate

#### Product Description

Satintone 5HB is an ultra-fine particle size kaolin grade featuring very high brightness. Satintone 5HB has been dehydroxylated by controlled heat treatment to remove crystalline-bound hydroxyl groups and to improve brightness. Satintone 5HB is highly pulverized for ease of dispersion.

#### Application Information

Satintone 5HB is widely used as an extender in flat and satin paints as it provides a high degree of opacity and tint strength. Its high brightness results in whiter paints and bases that provide cleaner colors. Satintone 5HB provides excellent optical properties for TiO<sub>2</sub> extension in both rubber and plastic compounds. The fine particle size and low residue provide excellent dispersion and physical properties. Typical applications include water-borne and solvent-borne flat and satin interior paints, OEM electrodeposition coatings, polyester gel coats, flexo and screen-printing inks, polyamide or other polymer reinforcements, TPE/TPO, and TiO<sub>2</sub> extension in many other polymeric systems.

Physical Properties	Typical Value
Physical Form	Highly Pulverized Powder
Special Modifications	Dehydroxylated
GE Brightness (%)	91
Screen Residue, 325 Mesh (%)	0.01
Free Moisture (%) measured at 105°C	0.5
pH (20% solids)	6
Median Particle Size, Sedigraph (µm)	0.8
Specific Gravity	2.63
Bulk Density, Loose lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	13 / 210
Bulk Density, Tamped lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	20 / 320
Oil Absorption, Rubout (ASTM D-281)	85

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