

# Technical Bulletin

## Satintone<sup>®</sup> W / Whitetex<sup>®</sup>

Calcined Aluminum Silicate



### Product Description

Satintone<sup>®</sup> W kaolin is a fine particle-size grade featuring high brightness. It has been dehydroxylated by controlled heat treatment for removal of crystalline-bound hydroxyl groups and to improve brightness. Satintone W kaolin is highly pulverized for better dispersion.

### Application Information

Satintone W kaolin is widely used in flat architectural exterior/interior paints as an opacifying extender. It has a very good balance of optical and mechanical properties and also provides abrasion resistance in traffic paints. Satintone W kaolin is a general-purpose grade used in a wide variety of polymeric systems. In these applications, it provides good resilience, low permanent-set and good electrical insulative properties. Typical applications: Water-borne interior / exterior flats, solvent-borne interior / exterior flats, rubbers, TiO<sub>2</sub> extension, polyamides (6, 66 and blends), pharmaceutical rubbers, industrial safety coatings, film-antiblock, electrical capacitors, rubber sealants / adhesives, plastisols, mechanical rubber goods, electrical wire jacketing, TPE / TPO, EPR power cables.

Typical Properties	Value
Physical Form	Highly Pulverized Powder
Special Modifications	Dehydroxylated
GE Brightness (%)	90
Screen Residue, 325 Mesh (%)	0.01
Free Moisture @ 105 deg C (%) as produced	0.5
pH (28% solids)	6
Specific Gravity (g/cm <sup>3</sup> )	2.63
Avg. Stokes Equivalent Particle Diameter (µm)	1.3
Bulk Density, Loose (lbs/ft <sup>3</sup> / kg/m <sup>3</sup> )	20 / 320
Bulk Density, Tamped (lbs/ft <sup>3</sup> / kg/m <sup>3</sup> )	30 / 480
Oil Absorption, Rubout (ASTM D-281)	65
Hegman	5
Refractive Index	1.62
Bulking Value, lbs. per gal. / kgs. per liter	21.9 / 2.62

All BASF kaolin manufacturing facilities are ISO 9001:2000 certified.

The above typical properties are for general information only and should not be used for specification purposes. Performance characteristics may vary depending on specific application. All products should be tested in customer's formulation prior to use.

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