



# SB-336

## ALUMINUM HYDROXIDE (ATH)

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### DESCRIPTION

SB-336 is a medium particle size ATH product that provides low cost flame retardancy and smoke suppression in a variety of applications. The unique particle size is specifically designed for low viscosities, high filler loading levels, and excellent processing characteristics. SB-336 is recommended for spray-up or hand lay-up FRP applications, filament winding, panel production, resin injection, SMC/BMC, foam materials, and cast polyester and epoxy parts.

A complete range of surfacing modifications is available to aid processing and enhance physical properties. These include silanes, stearates and wetting agents. Technical service is available.

Chemical Property	Unit	Typical Value
Al(OH) <sub>3</sub>	%	99.6
SiO <sub>2</sub>	%	0.005
Fe <sub>2</sub> O <sub>3</sub>	%	0.007
Na <sub>2</sub> O (total)	%	0.24
Na <sub>2</sub> O (soluble)	%	0.025
Loss on Ignition (1000°C)	%	34.6

Physical Property	Unit	Typical Value
Screen Analysis		
on 325 Mesh	%	11
through 325 Mesh	%	89
% on less than 10 microns	%	32
Median Particle Diameter	Microns	15.5
BET Surface Area*	m <sup>2</sup> /g	1.4
Free Moisture @105°C	%	0.16
Specific Gravity	gm/cm <sup>3</sup>	2.42
Bulk Density, loose	gm/cm <sup>3</sup>	0.75
Bulk Density, packed	gm/cm <sup>3</sup>	1.36
TAPPI Brightness**		87
Oil Absorption***	ml	23

\* As measured with Micromeritics Tristar surface analyzer (BET)

\*\* TAPPI Brightness measured with the Hunterlab Colorimeter

\*\*\* Oil absorption, ml, boiled linseed oil per 100 gm filler