

SB-332

Aluminum Hydroxide (ATH)

DESCRIPTION

SB-332 ground ATH that provides low cost flame retardance and smoke suppression, and arc-track resistance. The medium-fine particle distribution yields desirable flow properties, good physical properties and suspension characteristics required in SMC/BMC compression molding and many rubber compounds. Applications utilizing SB-332 includes SMC/BMC electrical switch gear, appliance electrical sheet and office equipment housings along with epoxies, polishes, adhesives and coatings.

A complete range of surface 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) ₃	%	99.6
SiO ₂	%	0.005
Fe ₂ O ₃	%	0.006
Na ₂ O (total)	%	0.24
Na ₂ O (soluble)	%	0.08
Loss on Ignition (1000°C)	%	34.6

Physical Property	Unit	Typical Value
Screen Analysis		
on 325 Mesh	%	0.1
through 325 Mesh	%	99.9
% on less than 10 microns	%	53
Median Particle Diameter	Microns	11
BET Surface Area*	m ² /g	1.8
Free Moisture @105°C	%	0.25
Specific Gravity	gm/cm ³	2.42
Bulk Density, loose	gm/cm ³	0.7
Bulk Density, packed	gm/cm ³	1.25
TAPPI Brightness**		44
Oil Absorption***	ml	29

* 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