

SB-30

Aluminum Hydroxide (ATH)

DESCRIPTION

SB-30 is an unground ATH, commonly known as aluminum hydroxide used to suppress flame and smoke in plastics, rubber and cellulose.

SB-30 is an off-white product that can be used in most applications where a coarse alumina trihydrate is required.

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	%	0.007
Na ₂ O (total)	%	0.24
Na ₂ O (soluble)	%	0.008
Loss on Ignition (1000°C)	%	34.6

Physical Property	Unit	Typical Value
Screen Analysis		
on 325 Mesh	%	89
through 325 Mesh	%	11
% on less than 10 microns	%	5
Median Particle Diameter	Microns	90
BET Surface Area*	m ² /g	0.4
Free Moisture @105°C	%	0.15
Specific Gravity	gm/cm ³	2.42
Bulk Density, loose	gm/cm ³	1.2
Bulk Density, packed	gm/cm ³	1.5
TAPPI Brightness**		80
Oil Absorption***	ml	9

* As measured with a Micromeritics Tristar surface area analyzer (BET)

** TAPPI Brightness measured with a Hunter Lab Colorimeter

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