

SB-36

Aluminum Hydroxide (ATH)

DESCRIPTION

SB-36 is a coarse, mechanically ground ATH used to suppress flame and smoke in applications such as latex, vinyl and urethane compounds.

Chemical Property	Unit	Typical Value
Al(OH) ₃	%	99.6
SiO ₂	%	0.007
Fe ₂ O ₃	%	0.007
Na ₂ O (total)	%	0.24
Na ₂ O (soluble)	%	0.018
Loss on Ignition (1000°C)	%	34.6

Physical Property	Unit	Typical Value
Screen Analysis		
on 325 Mesh	%	32.5
through 325 Mesh	%	67.5
% on less than 10 microns	%	22
Median Particle Diameter	Microns	25
BET Surface Area*	m ² /g	0.9-1.1
Free Moisture @105°C	%	0.13
Specific Gravity	gm/cm ³	2.42
Bulk Density, loose	gm/cm ³	0.8
Bulk Density, packed	gm/cm ³	1.49
TAPPI Brightness**		39.5
Oil Absorption***	ml	16

* 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