

SB-24

Aluminum Hydroxide (ATH)

DESCRIPTION

SB-24 is an unground ATH developed specifically for applications that benefit from a course particle size Aluminum Hydroxide with minimum fines content. It has a closely controlled, unique narrow particle size distribution that provides flame & smoke reduction in plastics, rubber, and other end use markets.

A complete range of surface modifications are available to aid in processing & mechanical properties. These include silanes, stearates, and wetting agents.

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)	%	0.012
Loss on Ignition (650°C)	%	34.6

Physical Property	Unit	Typical Value
Screen Analysis		
+100 Mesh	%	10.0
+170 Mesh	%	85.0
+200 Mesh	%	95.0
Median Particle Diameter	Microns	135
BET Surface Area*	m ² /g	0.20
Free Moisture @105°C	%	0.10
Specific Gravity	gm/cm ³	2.42
Bulk Density, loose	gm/cm ³	1.2
Bulk Density, packed	gm/cm ³	1.4

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