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SB-632

Aluminum Hydroxide (ATH)

DESCRIPTION

SB-632 is a mechanically produced ATH product designed for plastic and rubber applications requiring a fine particle size. The high surface area of SB-632 provides a low-cost approach to flame retardant and smoke suppression in applications such as urethane foam, vinyl, SBR belting, EPDM, EPR, adhesives, coatings, ABS, polyolefins and XLPE.

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
$Al(OH)_3$	%	99.6
SiO_2	%	0.005
Fe_2O_3	%	0.007
Na_2O (total)	%	0.24
Na_2O (soluble)	%	0.04
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	%	94
Median Particle Diameter	Microns	3.6
BET Surface Area*	m^2/g	4
Free Moisture @105ºC	%	0.3
Specific Gravity	gm/cm^3	2.42
Bulk Density, loose	gm/cm^3	0.45
Bulk Density, packed	gm/cm^3	0.93
TAPPI Brightness**		95
Oil Absorption***	ml	32

* As measured with Micromeritics surface analyzer (BET)
** TAPPI Brightness measured with the Hunterlab Colorimeter
*** Oil absorption ml, boiled linseed oil per 100 gm filler

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