

Hymod[®] SB432 ST1

Aluminum Hydroxide (ATH)

DESCRIPTION

Huber Engineered Materials' Hymod[®] SB432 ST1 is a medium particle size, surface treated ATH product that provides rapid dispersion, flame retardancy and smoke suppression in a variety of thermoplastic applications. The engineered particle size and particle size distribution of Hymod SB432 ST1 allow for high loading levels in polymers with excellent dispersion and provides favorable compounding and processing characteristics.

Chemical Property	Unit	Typical Value
Al(OH) ₃	%	99.6
SiO ₂	%	0.005
Fe ₂ O ₃	%	0.007
Na ₂ O (total)	%	0.2
Loss on Ignition (1000°C)	%	34.6

Chemical Property	Unit	Typical Value
Screen Analysis		
on 325 Mesh	%	0.1
through 325 Mesh	%	99.99
Median Particle Diameter	Microns	9
BET Surface Area*	m ² /gm	2
Specific Gravity	gm/cm ²	2.42
Bulk Density, loose	gm/cm ²	0.65
Bulk Density, packed	gm/cm ²	1.18
TAPPI Brightness**		89

* As measured with Micromeritics Tristar surface analyzer (BET)

** TAPPI Brightness measured with the Hunterlab Colorimeter