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## Hymod® SB432 SG ALUMINUM HYDROXIDE (ATH)

### DESCRIPTION

Huber Engineered Materials' Hymod® SB432 SG is a medium particle size, surface treated ATH product that provides hydrophobicity, flame retardancy and smoke suppression in a variety of applications, such as acrylic, EPDM, EVA, SBR, polyester and polyolefin compounds. The surface modification enables this product to have low moisture and to be easily and uniformly dispersed into polymers at high loading levels without causing processing rheology concerns.

### TYPICAL ANALYSIS

Al(OH) <sub>3</sub> , %	99.6
SiO <sub>2</sub> , %	0.005
Fe <sub>2</sub> O <sub>3</sub> , %	0.007
Na <sub>2</sub> O (total), %	0.2
Na <sub>2</sub> O (soluble), %	0.03

### TYPICAL PROPERTIES

Screen Analysis	
% on 325 mesh	0.2
% through 325 mesh	99.8
% @ 10 microns	54.7
Loss on ignition (1000°C), %	34.6
Median Particle Diameter, microns**	9
BET Surface Area, (m <sup>2</sup> /g)*	2.1
Specific Gravity (gm/cm <sup>3</sup> )	2.42
Bulk Density, loose (gm/cm <sup>3</sup> )	0.65
Bulk Density, packed (gm/cm <sup>3</sup> )	1.18
TAPPI Brightness*	89

\* TAPPI Brightness measured with the Hunterlab Colorimeter

\*\* By Sedigraph