



phone: (866) 564-8237  
fax: (678) 247-2797  
e-mail: [hubermaterials@huber.com](mailto:hubermaterials@huber.com)

[www.hubermaterials.com](http://www.hubermaterials.com)

## HYMOD® M1500 SPD ALUMINUM HYDROXIDE (ATH)

### DESCRIPTION

Huber Engineered Materials' Hymod® M1500 SPD is a fine particle size, surface treated ATH product that provides functional reinforcement, flame retardancy and smoke suppression in a variety of applications, such as acrylic, EPDM, EVA, SBR, polyester and polyolefin compounds. Mechanical properties observed with Hymod® M1500 SPD are comparable to fine particle precipitated alumina trihydrate.

### TYPICAL CHEMICAL 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 soluble, %	0.005
Loss of ignition, (1000°C), %	34.6

### TYPICAL PHYSICAL PROPERTIES

Screen Analysis, % through 325 mesh	99.96
Median Particle Diameter (microns)	1.5
BET, Surface Area (m <sup>2</sup> /gm)	10
Density (gm/cm <sup>3</sup> )	2.42
TAPPI Brightness**	93.7
Hunter Shade Values	L 99
	a 0.3
	b 0.6
Moh Hardness	3.0
Conductivity, micromho	130
Oil Absorption (ml/100gm)*	33-35

\*Oil absorption, ml, boiled linseed oil per 100 gm filler

\*\*TAPPI Brightness measured with a Hunterlab Colorimeter

©2018 J.M.Huber Corporation. Hymod® is a registered trademark of J.M. Huber Corporation for aluminum trihydrate.

THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Refer to Huber's Standard Conditions of Sale for the only express warranties applicable to the Huber products. Products incorporating Huber products are not warranted by Huber. In no event is Huber liable for consequential damages.

Revised 11/18