



# HYMOD<sup>®</sup> M632 SG ALUMINUM HYDROXIDE (ATH)

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

## DESCRIPTION

Huber Engineered Materials' Hymod<sup>®</sup> M632 SG is a fine particle size, surface treated alumina trihydrate commonly known as aluminum hydroxide product that provides 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.

Hymod<sup>®</sup> M632 SG can be used in such applications as foamed insulation, wire and cable jacketing, TPO roofing membranes, injection molded and extruded polyolefins, compression molded thermosets and solvent borne coatings.

## TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> (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), %	0.3
Na <sub>2</sub> O (soluble), %	0.06
Loss on Ignition (550°C), %	34.5

## TYPICAL PHYSICAL PROPERTIES

% on 200 mesh	0
% on 325 mesh	.01
% through 325 mesh	99.99
% less than 10 microns	95
Median particle diameter, microns	3.5
BET Surface Area, m <sup>2</sup> /gm*	7.5
Specific Gravity (gm/cm <sup>3</sup> )	2.42
Bulk Density, loose (gm/cm <sup>3</sup> )	0.45
Bulk Density, packed (gm/cm <sup>3</sup> )	0.9
Oil Absorption**	32
TAPPI Brightness***	95

© 2018 J.M. Huber Corporation. Hymod<sup>®</sup> is a registered trademark of J.M. Huber Corporation for surface treated aluminum hydroxide.

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 6/19