

# Hymod<sup>®</sup> M632 SP

## Aluminum Hydroxide (ATH)

### DESCRIPTION

Huber Engineered Materials' Hymod<sup>®</sup> M632 SP 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.

### 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 (total), %	0.24
Na <sub>2</sub> O (soluble), %	0.06
Loss on Ignition (1000°C), %	34.6

### TYPICAL PHYSICAL PROPERTIES

Screen Analysis	
% on 100 mesh	0
% on 200 mesh	0
% on 325 mesh	0.01
% through 325 mesh	99.99
% less than 10 microns	95
Median particle diameter, microns	3.5
BET Surface Area*, (m <sup>2</sup> /g)	9.0
Free Moisture @105°C, %	0.70
Specific Gravity (g/cm <sup>3</sup> )	2.42
Bulk Density, loose (g/cm <sup>3</sup> )	0.45
Bulk Density, packed (g/cm <sup>3</sup> )	0.90
TAPPI Brightness**	95
Oil Absorption***	32

\* As measured with Micromeritics Tristar surface analyzer (BET)

\*\* TAPPI Brightness measured with a Hunterlab Colorimeter

\*\*\* Oil Absorption, ml, boiled linseed oil per 100 gm fill