

# Hymod<sup>®</sup> SB632 SP

## Aluminum Hydroxide (ATH)

### DESCRIPTION

Huber Engineered Materials' Hymod<sup>®</sup> SB632 SP is a mechanically produced, surface treated ATH product designed for plastic and rubber applications requiring a fine particle size. The high surface area provides an efficient approach to flame retardance and smoke suppression in applications such as urethane foams, vinyl, SBR belting, EPDM, EPR, adhesives, coatings, ABS, polyolefins and XPLE.

### 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), %       | 0.3   |
| Na <sub>2</sub> O (soluble), %     | 0.04  |

### TYPICAL PROPERTIES

|  |      |     |
|--|------|-----|
| Screen Analysis                            |      |     |
| % on 100 mesh                              | 0    |     |
| % on 200 mesh                              |      | 0   |
| % on 325 mesh                              |      | 0.1 |
| % through 325 mesh                         | 99.9 |     |
| % on less than 10 microns                  | 95   |     |
| Median Particle Diameter, microns          | 3.5  |     |
| Loss on ignition (1000°C), %               | 34.6 |     |
| Surface Area, (m <sup>2</sup> /gm)*        | 2-5  |     |
| 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> ) | 0.80 |     |
| Oil Absorption **                          | 32   |     |
| TAPPI Brightness***                        | 95   |     |

\* As measured with Quantachrome monosorb surface analyzer (BET)

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

\*\*\* TAPPI Brightness measured with the Hunterlab Colorimeter