

# Micral<sup>®</sup> 532

## Aluminum Hydroxide (ATH)

### DESCRIPTION

Micral<sup>®</sup> 532, developed especially for SMC and BMC, has a unique particle size distribution that provides the best possible combination of viscosity, flame, electrical and molding properties that can be derived from an ATH filler. A closely controlled top size and high fines content allow Micral<sup>®</sup> 532 to be substituted in systems where properties were previously achieved by blending medium and ultrafine grades of ATH.

A complete range of surface modifications is available to aid processing and enhance physical properties. These include silanes, stearates and wetting agents. Technical service is available.

Chemical Property	Unit	Typical Value
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)	%	0.05
Loss on Ignition (1000°C)	%	34.6

  

Physical Property	Unit	Typical Value
Screen Analysis		
through 325 Mesh	%	99.99
Median Particle Diameter	Microns	5
Surface Area*	m <sup>2</sup> /gm	7
Free Moisture @105°C	%	0.6
Specific Gravity	gm/cm <sup>2</sup>	2.42
Bulk Density, loose	gm/cm <sup>2</sup>	0.55
Bulk Density, packed	gm/cm <sup>2</sup>	1
TAPPI Brightness***		95
Oil Absorption**	ml	31

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

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

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