



# Bayer Grade Alumina Trihydrate

## General Characteristics

Chemical Formula	Al <sub>2</sub> O <sub>3</sub> · 3H <sub>2</sub> O or Al(OH) <sub>3</sub>
Specific Gravity	2.42
Decomposition Temp.	428°F (220°C)
Refractive Index	1.57
Mohs' Hardness	2.5 - 3.5
Appearance	Crystalline Powder
Color	off-white / tan

## Typical Chemical Compositions

Al <sub>2</sub> O <sub>3</sub> · 3H <sub>2</sub> O	99.5%
L.O.I (1000°C)	34.5%
SiO <sub>2</sub>	0.01%
Fe <sub>2</sub> O <sub>3</sub>	0.006%
Na <sub>2</sub> O (total)	0.30%
Free moisture	0.3% max

# AH290

## Typical Physical Properties

Bulk Density, Loose, lbs/ft <sup>3</sup>	58
Bulk Density, Packed, lbs/ft <sup>3</sup>	72
Oil Absorption	20

## +Screen Analysis

% on 100 mesh	0
% on 200 mesh	<0.1
% on 325 mesh	10
*Median Particle Size, Microns	16

+Wet screen analysis using US Standard stainless steel screens

\*Sedigraph using micrometrics model 5120

R.J. Marshall offers one of the most complete lines of Bayer Alumina Trihydrate available in the market today. By combining our technical capabilities and our multiple processing locations, R.J. Marshall is able to consistently control particle size distributions while offering a wide range of Alumina Trihydrate products.

All statements, technical information and recommendations are based on tests we believe to be reliable, the accuracy or completeness is not guaranteed, and the following is made in place of all warranties, expressed or implied. Our only obligation is to replace product proved to be defective. We shall not be liable for any injury, loss or damage, direct or indirect, from using or not being able to use the product. Before using, customer must determine the suitability of the product for the intended use and customer assumes the responsibility. This statement may not be changed except by an agreement signed by an officer of The R.J. Marshall Company.

December 2013



## The R.J. Marshall Company

26776 W. 12 Mile Road Southfield, Michigan 48034 USA ▪ 800-338-7900 phone  
248-948-6460 fax ▪ 888-514-8600 toll free customer service ▪ www.rjmarshall.com