$Al(OH)_3$

Bayer Grade Alumina Trihydrate

AH255

General Charateristics

Chemical Formula	$Al_2O_3 \cdot 3H_2O$ or $Al(OH)_3$
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

$Al_2O_3 \cdot 3H_2O$	99.5%
L.O.I (1000°C)	34.5%
SiO_2	0.01%
Fe_2O_3	0.006%
Na_2O (total)	0.30%
Free moisture	0.3% max

Typical Physical Properties

Bulk Density, Loose, lbs/ft³	60
Bulk Density, Packed, lbs/ft³	81
Oil Absorption	15

+Screen Analysis

% on 100 mesh	0 - 0.5
% on 200 mesh	0 - 10
% on 325 mesh	45
*Median Particle Size, Microns	42

+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.

December 2013

The R.J. Marshall Company

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