



Bayer Grade Alumina Trihydrate

General Characteristics

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

A204

Typical Physical Properties

Bulk Density, Loose, lbs/ft³ 38

Bulk Density, Packed, lbs/ft³ 42

Oil Absorption 31

+Screen Analysis

% on 100 mesh 0

% on 200 mesh 0

% on 325 mesh trace

***Median Particle Size, Microns** 4

+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.

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The R.J. Marshall Company

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