



ALMATIS

PREMIUM ALUMINA



Americas Provisional Product Data

GMA Unground Calcined Aluminas

Almatis GMA is a family of unground calcined aluminas designed for melt (or dissolution) applications. They are high purity products at greater than 99% Al_2O_3 on an oxide basis and are available in several maximum levels for Na_2O . All are fully calcined materials with low levels for percent LOI (Loss On Ignition) when heated to 1100°C. Oversize particles are removed by carefully screening the alumina after calcination. The GMA family of products have minimal contamination with metallic elements. Note: Lower levels of percent greater than 45 microns (325 mesh) are available for applications where the customer's equipment cannot adequately control/process the standard products.

GMA's attributes provide a free flowing alumina with consistent overall alumina content for easy batching calculations with the weight feeders. The low levels of both +425 micron particles and of high refractoriness oxide particles minimize "stoning" in the furnace discharge. The GMA 30 NS (Normal Soda) version is the standard product that works extremely well in most industry applications. GMA is also available in IS (Intermediate Soda) and LS (Low Soda) versions for applications where viscosity of the liquid melt must be more tightly controlled.

Think alumina, think Almatis.

PP-AM/RCP/020/R01/0812/MSDS 387



GMA Unground Calcined Aluminas

Product	GMA 30 NS	GMA 30 IS	GMA 30 LS
Chemical Composition (%)			
Al ₂ O ₃ by oxide difference	98.6 min	99.0 min	99.0 min
Na ₂ O	0.60 max	0.35 max	0.15 max
Fe ₂ O ₃	0.04 max	0.04 max	0.04 max
SiO ₂	0.10 max	0.10 max	0.10 max
BCI magnetics	0.0030 max	0.0030 max	0.0030 max
Physical Properties (%)			
Moisture	0.5 max	0.5 max	0.5 max
LOI, room temp. to 1100°C	1.5 max	1.5 max	1.5 max
Particle Size (%)			
+20M*/0.600mm	0.00 max	0.00 max	0.00 max
+35M*/0.425mm	0.05 max	0.05 max	0.05 max
+100M*/0.150mm	15 max	15 max	15 max
+325M*/0.045mm	70 min	70 min	70 min
<325M*/0.045mm	30 max	30 max	30 max

*Tyler Mesh

All data is based upon Almatis standard test methods.
All test methods are available upon request.
The Min/Max data represents provisional Almatis product specifications.

Standard Packaging

1. Bulk truck
2. Bulk rail car



Contacts for sales, technical information and application assistance

Almatis GmbH
Lyoner Straße 9
60528 Frankfurt/Germany
Phone **49 69 957 341 0**
Fax **49 69 957 341 13**

info@almatis.com
www.almatis.com

Almatis, Inc.
501 West Park Road
Leetsdale, PA 15056, USA
Phone
800 643 8771 (within US)
1 412 630 2800 (outside US)
Fax
1 412 630 2900

Almatis do Brasil Ltda.
Avenida Jose de Souza
Campos, 243
2º Andar – Cambuí
13025-320 – Campinas,
SP – Brasil
Phone
55 19 3515-1400
Fax
55 19 3515-1410

MSDS 387