



Global Product Data Sheet

Almatis Special Grade

Calcined Alumina

Almatis Burnside Operations produces calcined alumina products for refractory, ceramic, glass, and fusion applications. The calcined product "Almatis Special Grade" has an intermediate soda content, low residual impurities and controlled particle size distribution, making it well suited for such uses. The coarse, free-flowing powder is white in color and chemically defined as aluminum oxide or Al_2O_3 .

| Chemical Composition | | Typical Range |
|-----------------------|---------------------|---------------|
| Al_2O_3 | [%] | 98.7 - 99.0* |
| Na_2O | [%] | 0.3 - 0.4 |
| Fe_2O_3 | [%] | 0.01 - 0.02 |
| CaO | [%] | 0.01 - 0.02 |
| SiO_2 | [%] | 0.01 - 0.02 |
| Physical Properties | | |
| Specific Surface Area | [m ² /g] | 60 - 90 |
| LOI (300 – 1200°C) | [%] | 0.6 - 1.0 |
| >100 mesh (150 μm) | [%] | 0 - 15 |
| >325 mesh (45 μm) | [%] | 85 - 95 |

All data are based upon Almatis standard test methods. *Chemistry is on a dry basis.
 The typical properties are the expected averages from production.



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Product Information

- Calcined Alumina is considered a non-toxic chemical with a low health risk of inhalation of dust. For more information, refer to Almatis Safety Data Sheet No. 387.
- Almatis Special Grade is a white, free-flowing powder that can be transported fluidized by pneumatic systems.

Product Applications

- Furthermore, Almatis Special Grade is tightly controlled for soda, silica, calcia and iron content and in surface area and particle size.
- With that, it can be used for further processing in a wide variety of industries for refractory, abrasives, glass, ceramic, and fusion industries.

Standard Packaging

- Dry loose bulk in barge 1,500MT – 2,000MT
- Dry loose bulk in oceangoing vessel up to 10,000MT
- All shipments are FOB RM 169 on Lower Mississippi River (Burnside Terminal)



Contacts for sales, technical information and application assistance



ALMATIS

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