



ALMATIS

PREMIUM ALUMINA



## Global Product Data

# CT 3000 LS SG

### Product Description

Almatris Alumina CT3000 LS SG is a special purpose low soda high reactive alumina. It combines high fired density with very low impurities.

### Product Features

High fired density > 3,90 g/cm<sup>3</sup> at 1540 °C 1 hour soak time and > 3,94 g/cm<sup>3</sup> at 1600 °C 1 hour soak time. Very low impurities.

### Applications

High end ceramic pieces where high sintered density and low impurities are required.

| Chemical Analysis              |     | typical |
|--------------------------------|-----|---------|
| Al <sub>2</sub> O <sub>3</sub> | [%] | 99.8    |
| Na <sub>2</sub> O              | [%] | 0.03    |
| Fe <sub>2</sub> O <sub>3</sub> | [%] | 0.015   |
| SiO <sub>2</sub>               | [%] | 0.015   |
| MgO                            | [%] | 0.040   |
| CaO                            | [%] | 0.015   |

| Properties                        |  | typical   |
|-----------------------------------|--|---|
| Specific Surface area / BET       |  | 7.80 m <sup>2</sup> /g                          |
| Particle Size / D50 Cilas         |  | 0.5 µm  |
| Particle Size / D90 Cilas         |  | 2.0 µm  |
| Green density (90 MPa)            |  | 2.24 g/cm <sup>3</sup>                          |
| Fired density (1540 °C / 1600 °C) |  | 3.91 g/cm <sup>3</sup> / 3.95 g/cm <sup>3</sup> |
| Shrinkage (1540 °C / 1600 °C)     |  | 16.8 % / 17.3 %                                 |

All data are based upon Almatris standard test methods.

The typical properties are based upon the actual averages from production data.

Think alumina, think Almatris.

GP-RCP/024/R02/0812/MSDS 387



# CT 3000 LS SG

## Standard Packaging

- 25 kg paper bags on 1 mt pallet
- 1000 kg big bag, discharge sleeve and shrink wrapped



## Contacts for sales, technical information and application assistance

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## MSDS 387