

Super Ground Reactive Alumina
Very Low Soda Content

P152SB

PRODUCT INFORMATION

Reactive aluminium oxide Al_2O_3 , mainly alpha phase, with a very low soda content. This product is ball milled to the crystal size. Very high fired densities can be achieved with this easy sintering alumina.

This grade is used for the production of very high alumina content advanced ceramics.

CHARACTERISTICS

| Physical Characteristics | Unit | Typical Value |
|--|----------|---------------|
| BET Surface Area | m^2/g | 2.6 |
| Chemical Characteristics | Unit | Typical Value |
| Al_2O_3 (by difference) | % | 99.7 |
| Na_2O total | ppm | 275 |
| CaO | ppm | 550 |
| SiO_2 | ppm | 900 |
| Fe_2O_3 | ppm | 150 |
| Ceramic Characteristics | Unit | Typical Value |
| Particle Size Distribution (Sedigraph) d50 | μm | 1.3 |
| Green density (27 MPa) | g/cm^3 | 2.24 |
| Fired density (1670 °C, 1h.) | g/cm^3 | 3.86 |

Valid after : 01/08/2012

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