

Lanthanum aluminate – LaAlO₃

Characteristics

- Melting point: 2.110°C (3.830°F).
- Molecular weight: 213.89 g/mol.
- Appearance: white to pearl white powder.
- Non hazardous material.

Application

- Sintering aid for non oxide ceramics.
- Spray powder.
- Coating ingot.

Chemical Analysis

Type	
La ₂ O ₃	76.2±0.5 wt.[%]
Al ₂ O ₃	16.0-20.0 wt.[%]

Purity

Fe	<500 ppm
Si	<250 ppm
Ti	< 100 ppm
C	<0.1 %

Particle Size Parameters

Standard	Customised
D50: < 1.5µm	On request: i.e. as spray powder
D100: <10µm	from 10 to 45 µm

All particle size analysis with laser diffraction method, Microgram X100, SRA mode or FRA mode.

Physical Parameters

Surface Area (BET)	<1 m ² /g	
Apparent Density	min 5.0 g/cm ³	
XRD (phase analysis)	Available	On request
LOI	<1 wt[%]	



Packing

- 20 kg, 25 kg and 50 kg in pails
- 1000 kg and 500 kg in sacks

Maximum Lot Size

- 1.500 kg

Inspection certificate according to
DIN EN 10204.3. 1. B.
Material manufactured in accordance
with ISO 9001