

ROTARY KILN CALCINED BAUXITE

Quality Grade: Export First-Class A1 | Compliance: FEPA 42-1:2006 / JIS R6001 / ISO 8486

1. TYPICAL CHEMICAL COMPOSITION (%)

Element	Al2O3	Fe2O3	SiO2	TiO2	K2O + Na2O
85 Grade	· 85.0 %	· 2.0 %	· 6.0 %	· 3.5 %	· 0.35 %
88 Grade	· 88.0 %	· 1.8 %	· 4.5 %	· 3.5 %	· 0.30 %

2. PHYSICAL & MECHANICAL PROPERTIES

Property	Bulk Density (B.D.)	Water Absorption	Refractoriness	True Specific Gravity
Specification	· 3.20 - 3.40 g/cm³	· 2.5 %	· 1780 °C	3.55 g/cm³

3. AVAILABLE SIZES & GRIT CLASSIFICATION

- Aggregate Fractions: 0-1mm, 1-3mm, 3-5mm, 5-8mm.
- Milled Fine Powders: -200 Mesh, -325 Mesh (Bauxite Flour).

4. PRIMARY INDUSTRIAL APPLICATIONS

- High-alumina refractory bricks, castables, ramming mixes for steel ladles and cement kilns.
- High Friction Surface Treatment (HFST) anti-skid calcined bauxite for road and highway surfacing.
- Precision investment casting ceramic mold shells.

5. PACKAGING, CERTIFICATION & EXPORT LOGISTICS

- 25 kg PP bags, 1 MT / 1.25 MT big bags on fumigated pallets.

MANUFACTURER QUALITY STATEMENT & EXPORT GUARANTEE:

Every batch undergoes rigorous XRF chemical analysis, bulk density and laser particle sizing before dispatch.

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QC APPROVED

ISO 9001:2015