

# Refractory Grade Aluminum Oxide

High-purity aluminum oxide grains are designed for refractory applications. The Grade A quality ensures consistent performance in high-temperature environments, providing excellent thermal stability and resistance to chemical attack.



## ADDITIONAL IMAGES



## Product Overview

### High-Purity Refractory Grade Aluminum Oxide

This premium-grade, white aluminum oxide is characterized by its high purity and large crystal size, making it an exceptionally friable material. Its ability to constantly expose fresh cutting edges during use provides superior performance in precision finishing and cool grinding of heat-sensitive alloys. It is an ideal solution for manufacturing high-temperature refractory bricks, castables, and advanced ceramic materials.

## Technical Specifications

### Bulk Density

**1.75 g/cm<sup>3</sup>**

Min Bulk Density

**1.95 g/cm<sup>3</sup>**

Max Bulk Density

### Real Density

**3.95 g/cm<sup>3</sup>**

Min Real Density

**3.97 g/cm<sup>3</sup>**

Max Real Density

### Mohs Hardness

9

## Chemical Composition

### Composition Table

Component	Content Limit
Al <sub>2</sub> O <sub>3</sub>	99.55% min
Fe <sub>2</sub> O <sub>3</sub>	0.04% max
SiO <sub>2</sub>	0.04% max
CaO+MgO	0.05% max
Na <sub>2</sub> O+K <sub>2</sub> O	0.23% max

## Availability

### Available Grain Sizes

- 8-5mm
- 5-3mm
- 3-1mm
- 0-1mm
- 320mesh-0 to 180mesh-0
- F24-F40
- F46-F100
- F120-F220
- F240-F1200

## Packaging

Packaging Standard	25kg PVC bags, 1MT big bag
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