

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/cm³

Min Bulk Density

1.95 g/cm³

Max Bulk Density

Real Density

3.95 g/cm³

Min Real Density

3.97 g/cm³

Max Real Density

Mohs Hardness

9

Chemical Composition

Composition Table

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