

White Fused Alumina 3-5mm Refractory Abrasive

White fused alumina abrasive grains are available in 3-5mm size. They are ideal for refractory applications due to their excellent thermal stability and chemical resistance.



Product Overview

High-Purity White Fused Alumina

This white fused alumina is produced by melting high-quality alumina at temperatures exceeding 2000°C in an electric arc furnace. Featuring alpha-Al₂O₃ as its main crystal phase, this material offers exceptional thermal stability and chemical resistance. It is an essential component for demanding industrial applications including refractories, castables, and ramming compounds.

Chemical Composition

Composition Table

Component	Percentage (Min/Max)
Al ₂ O ₃	99.5% Min
Fe ₂ O ₃	0.04% Max
Na ₂ O	0.30% Max
SiO ₂	0.02% Max

Physical Properties

Physical Specifications

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Mohs Hardness

1.95 g/cm³

Bulk Density

3.95 g/cm³

Specific Gravity

Grain Size Range

- 12-6mm
- 10-8mm
- 8-5mm
- 6-3mm
- 5-3mm
- 3-1mm
- 1-0mm
- 1-0.5mm
- 0.5-0.2mm
- 0.5-0mm
- 0.3-0mm

Applications

Industry Applications

Refractory, Furnace Burden, Castable, Ramming Compound, Painting