

# 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-Al<sub>2</sub>O<sub>3</sub> 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 <sub>2</sub> O <sub>3</sub>	99.5% Min
Fe <sub>2</sub> O <sub>3</sub>	0.04% Max
Na <sub>2</sub> O	0.30% Max
SiO <sub>2</sub>	0.02% Max

## Physical Properties

### Physical Specifications

**9**

Mohs Hardness

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

Bulk Density

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

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