

# White Fused Alumina Abrasive Media

White fused alumina is a high-purity synthetic corundum abrasive produced by fusing calcined alumina. It is suitable for precision grinding and polishing of hardened steel, high-speed steel, alloy steel, and other hard materials.



## Product Overview

### High-Purity Abrasive Media

White Fused Alumina is a premium-grade synthetic corundum produced by melting high-quality alumina in an electric arc furnace. Featuring a main crystal phase of alpha-Al<sub>2</sub>O<sub>3</sub>, this abrasive offers exceptional hardness and high-purity performance. It is an ideal solution for demanding industrial applications including refractory manufacturing, precision grinding, and surface finishing.

## Technical Specifications

### Chemical Composition Analysis

Component	Content Requirement
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

**9**

Mohs Hardness

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

Specific Gravity

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

Bulk Density Min

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

Bulk Density Max

## Applications & Sizing

### Available Section Sand Sizes

- 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

### Primary Applications

Refractory, Furnace Burden, Castable, Ramming Compound, Painting