

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-Al₂O₃, 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 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

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Mohs Hardness

3.95 g/cm³

Specific Gravity

1.75 g/cm³

Bulk Density Min

1.95 g/cm³

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