

White Fused Alumina Abrasive Sand 0-1mm

This high-purity white fused alumina sand has a particle size range of 0-1mm. The abrasive material is suitable for surface preparation, precision grinding, polishing, and lapping applications.



Product Overview

High-Purity White Fused Alumina

White fused alumina is produced by melting high-quality alumina in an electric arc furnace at temperatures exceeding 2000°C. This premium material features a primary crystal phase of alpha-Al₂O₃, offering exceptional hardness and chemical inertness. It is widely utilized in industrial applications including refractory manufacturing, castables, ramming compounds, and precision surface preparation.

Technical Specifications

Chemical Composition

Component	Maximum Percentage
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

Bulk Density

1.75-1.95 g/cm³

Product Availability

Available Particle 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

Applications

Primary Applications

- Refractories
- Furnace burden
- Castables
- Ramming compounds
- Painting
- Abrasive blasting
- Surface grinding