

White Fused Alumina Abrasive Sand 1-3mm

White fused alumina section sand is used as a refractory media. Its sharp, angular grains provide aggressive cutting action and excellent surface finish.



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 industrial-grade abrasive features a high-purity crystalline structure of alpha-Al₂O₃. Renowned for its excellent thermal shock resistance and chemical stability, it is an essential material for refractory applications, castables, and precision surface preparation.

Physical Properties

Mohs Hardness	9 Mohs
Bulk Density	1.75-1.95 g/cm ³
Specific Gravity	3.95 g/cm ³

Chemical Composition

Composition Limits (%)

Component	Limit
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

Application & Usage

Primary Applications	Refractory, Furnace Burden, Castables, Ramming Compounds, Painting
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