

Brown Fused Alumina Abrasive Grain

Brown fused alumina is a crystalline material produced by high-temperature melting of bauxite and coke. It features high hardness, toughness, sharp particles, strong grinding force, and high-temperature resistance.



Product Overview

High-Performance Abrasive Grain

Brown fused alumina is a tough, hard, and wear-resistant material produced by the fusion of high-quality bauxite in an electric arc furnace. It is characterized by high strength and excellent thermal stability, making it an ideal choice for demanding industrial applications. This versatile material is commonly utilized in grinding wheels, coated abrasives, and blasting media to ensure efficient material removal and superior surface finishing.

Chemical Composition

Primary Component	Aluminum Oxide (Al ₂ O ₃)
Minor Components	Silicon Dioxide (SiO ₂), Titanium Dioxide (TiO ₂), Iron Oxide (Fe ₂ O ₃)

Physical Properties

Key Characteristics

High Hardness • High Strength • Thermal Stability • Wear-Resistant

Applications

Common Industrial Applications

- Grinding wheels
- Coated abrasives
- Blasting media

Specifications

Available Grit Sizes	Coarse to fine range
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