

Zirconia Fused Alumina Abrasive Grain

Fused zirconia alumina is used as an abrasive material. It is suitable for grinding wheels and refractory applications.



Product Overview

High-Performance Zirconia Fused Alumina

This zirconia fused alumina abrasive grain is produced via high-temperature smelting at over 2000°C, resulting in a material with exceptional tenacity and a dense crystalline structure. Its unique composition offers high strength and durability, making it an ideal choice for heavy-duty grinding, abrasive tools, and refractory applications. The precise manufacturing process ensures consistent performance across demanding industrial environments.

Chemical Composition

Typical Performance Index (ZR25)

Component	Content Range (%)
Al ₂ O ₃	68-72
ZrO ₂	24-30
SiO ₂	0.45
TiO ₂	0.99
Fe ₂ O ₃	0.12

Application

Recommended Applications

Abrasive Tools, Refractory Materials, Grinding Wheels

Physical Properties

Key Material Characteristics

- Tenacious texture
- Dense structure
- High mechanical strength
- High thermal resistance