



## White fused alumina

### Introduction

**White fused alumina** is a kind of artificial abrasive, white powder. White fused alumina is white and has a slightly higher hardness than brown corundum and a slightly lower toughness.

### Usage

Grinding tools made of white fused alumina are suitable for grinding of high carbon steel, high speed steel and hardened steel.

**White fused alumina** can be used as grinding and polishing materials, and can also be used as precision casting sand, spray material, chemical catalyst carrier, special ceramics, advanced refractory materials, etc.

### Technical Parameter

Application	Specification	Composition%			
		Al <sub>2</sub> O <sub>3</sub>	Na <sub>2</sub> O	magnetic	SiO <sub>2</sub>
Abrasives	F12#—80#	≥99.2	≤0.4	—	≤0.03
	90#—150#	≥99.0	≤0.4	≤0.03	≤0.05
	180#—240#	≥98.5	≤0.4	—	≤0.03
	1#-63#	≥99.3	≤0.4	≤0.03	≤0.05

## Brown fused alumina

### Introduction

**Brown fused alumina** is made of bauxite and coke (anthracite) as the main raw materials, which are smelted at high temperature in the electric arc furnace. The abrasives made of it are suitable for grinding high tensile metals, such as various general purpose steels, malleable cast iron, hard bronze, etc., and can also produce high-grade refractories.

### Application

**Brown fused alumina** is called industrial teeth: mainly used in refractory materials, grinding wheels, sand blasting.

### Technical Parameter

Application	Specification	Composition%				
		Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	TiO <sub>2</sub>	
Abrasives	F	4#—80#	≥95	≤0.3	≤1.5	≤3.0
		90#—150#	≥94			
		180#—240#	≥93	≤0.3	≤1.5	≤3.5
	P	8#—80#	≥95.0	≤0.2	≤1.2	≤3.0
		100#—150#	≥94.0			
		180#—220#	≥93.0	≤0.3	≤1.5	≤3.5
W	1#-63#	≥92.5	≤0.5	≤1.8	≤4.0	