## **Brown Fused Alumina**





## Brown Fused Alumina grit for resin bonded abrasives

We choose high-quality bauxite and adopt tilting furnace, special cooling crystallization process. Main features: High cleanliness, super grinding capacity, high toughness, high compression strength, no rusty spot, greatly improved grinding efficiency, applicable to make high-grade resin bonded abrasives.

Usage	Specification		Main Ch	Magnetic				
			Al2O3	Fe2O3	SiO2	TiO2	CaO	Material
								(%)
High-	F	F12-F24	96.0 ±	< 0.30	< 1.00	> 1.6	≤0.45	≤0.024
grade	Grit	F30-F100	0.5					≤0.019
resin		F120-						≤0.014
bonded		F220						
abrasives								

Physical Property				
Capillarity	17mm			
Compression Strength	34N			
Milling Toughness	41%			
Vickers Hardness	2100HV			
True Specific Gravity	3.97g/cm3			
Cleanliness	> 97.5%			

Note: Above is the typical value of abrasive F36

## Brown Fused Alumina grit for vitrified bonded abrasives

We choose high-quality bauxite and adopt tilting furnace, special cooling crystallization process. Main features: Lower expansion coefficient, good hydrophily, high compression strength, abrasives made by blue color, no reticulate crack, greatly improved grinding precision and efficiency, applicable to make high-grade resin bonded abrasives.

Usage	Speci	fication	Main Ch	Magnetic				
			Al2O3	Fe2O3	SiO2	TiO2	CaO	Material
								(%)
High-	F	F12-F24	95.5 ±	< 0.30	≤1.00	> 2.0	≤0.45	≤0.024
grade	Grit	F30-F100	0.5					≤0.019
vitrified		F120-						≤0.014
bonded		F220						
abrasives								

Physical Property				
Color	Brown			
Crystal form	Trigonal crystal system			
Compression Strength	34N			
Milling Toughness	41%			
Vickers Hardness	2100HV			
True Specific Gravity	3.97g/cm3			
Cleanliness	> 97.5%			
Capillarity	17mm			

Note: Above is the typical value of abrasive F36

## **Brown Fused Alumina for refractory**

We choose high-quality bauxite and adopt tilting furnace, special cooling crystallization process Material is with high purity, high crystallinity, lower expansion coefficient, refractoriness above 1900°C, it's the best raw material for refractory.

Lleage	Specification		Main Chemi	Magnetic				
Usage	Specii	lication	Al2O3	Fe2O3	SiO2	TiO2	CaO+ MgO	Material (%)
		0-1mm	95.3-96.5	< 0.3	< 1.00	> 1.6	≤0.55	< 0.05
Refractory	sand	1-3mm						
		3-5mm						
		5-8mm						

Physical Property				
Color	Brown			
Refractoriness	> 1900°C			
Melting Point	2050℃			
Compression Strength	34N			
Molded Toughness	85%			
Vickers Hardness	2100HV			
True Specific Gravity	3.97g/cm3			

Room 801, Building C3,

Qilu E-commerce Valley, No.139 Liuquan Road, Zibo High-tech Zone, Shandong, China 255086

Tel: +86-533-3171838

Email: Tea.song@jct-abrasives.com Website: <a href="www.jct-abrasives.com">www.jct-abrasives.com</a>

