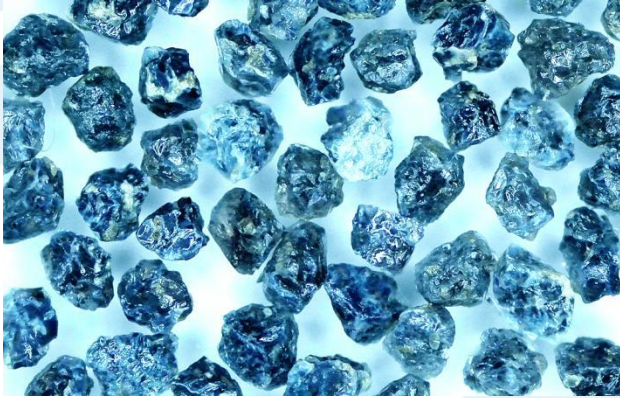


**1350 CALCINED BROWN FUSED ALUMINA FOR BONDED ABRASIVES**

**DESCRIPTION**

According to the calcined temperature, 1350 calcined brown fused alumina grains are calcined to blue with maximum toughness and durability. These grains have high capillarity for instant adhesion to resin or glue bonds, most of performance index is better than 1050 calcined brown fused alumina grains.

**APPLICATIONS**

**AB12** is sharp, low bulk density, great self-sharpening ability, better than AT12. It is suitable to make top-grade bonded abrasives, with fast cutting and high grinding ratio, machining of low carbon steel, steel alloy and stainless steel.

**AB18** is blocky, high bulk density, better than AT18. Reduce expansion and black specks on vitrified abrasives. Improved durability makes them suitable for making top-grade bonded abrasives in heavy-duty machining and double-disc cylindrical grinding.

**GRITS AVAILABLE: F4-F800**

*Customized sizes available upon request*

**TYPICAL CHEMICAL ANALYSIS**

Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	TiO <sub>2</sub>
95.90	0.05	0.69	2.62

Mineral Composition	Alpha Alumina	Color	Blue
Mons' Hardness	≥9.0	Knoop Hardness	1950-2290
Melting Point	2200°C	Hydrophilicity (F46)	186mm
Specific Gravity	≥3.95	Toughness (F24)	66%

**TYPICAL BULK DENSITY**

GRITS	BULK DENSITY	
	AB12	AB18
F12	1.78-1.86	1.94-2.02
F14	1.78-1.86	1.94-2.02
F16	1.78-1.86	1.93-2.01
F20	1.76-1.84	1.92-2.00
F22	1.75-1.83	1.91-1.99
F24	1.73-1.81	1.89-1.97
F30	1.71-1.79	1.87-1.95
F36	1.68-1.76	1.84-1.92
F40	1.65-1.73	1.81-1.89
F46	1.63-1.71	1.79-1.87
F54	1.60-1.68	1.76-1.84
F60	1.57-1.65	1.73-1.81
F70	1.54-1.62	1.70-1.78
F80	1.51-1.59	1.67-1.75
F90	1.49-1.57	1.65-1.73
F100	1.47-1.55	1.63-1.71
F120	1.45-1.53	1.61-1.69
F150	1.43-1.51	1.59-1.67
F180	1.41-1.49	1.57-1.65
F220	1.39-1.47	1.55-1.63

**TYPICAL PHYSICAL PROPERTIES**

This product information is NOT a specification, minor variations in chemistry or physical properties could cause problems or damage to your process or product, please contact our office for further assistance. +86-379-69556558