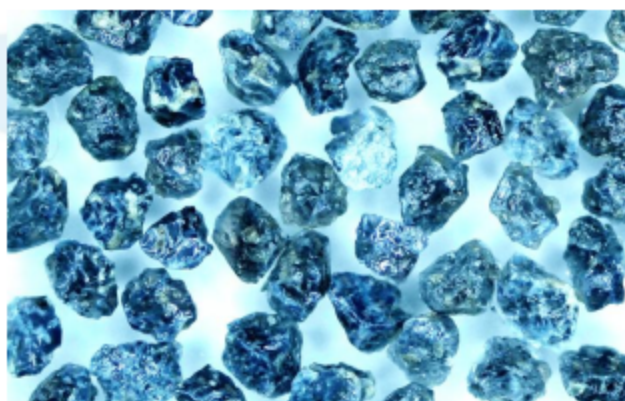


1350 CALCINED BROWN FUSED ALUMINA FOR BONDED ABRASIVES



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 ₂ O ₃	Fe ₂ O ₃	SiO ₂	TiO ₂
95.90	0.05	0.69	2.62

TYPICAL PHYSICAL PROPERTIES

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	1.83-1.93	1.95-2.05
F14	1.82-1.92	1.94-2.04
F16	1.81-1.91	1.92-2.02
F20	1.79-1.89	1.91-2.01
F22	1.77-1.87	1.90-2.00
F24	1.75-1.85	1.89-1.99
F30	1.72-1.82	1.87-1.97
F36	1.69-1.79	1.83-1.93
F40	1.67-1.77	1.81-1.91
F46	1.64-1.74	1.79-1.89
F54	1.62-1.72	1.76-1.86
F60	1.60-1.70	1.74-1.84
F70	1.58-1.68	1.72-1.82
F80	1.56-1.66	1.70-1.80
F90	1.54-1.64	1.67-1.77
F100	1.51-1.61	1.65-1.75
F120	1.49-1.59	1.63-1.73
F150	1.46-1.56	1.60-1.70
F180	1.43-1.53	1.57-1.67
F220	1.40-1.50	1.55-1.65