

BROWN FUSED ALUMINA FOR VITRIFIED ABRASIVES



DESCRIPTION

DOMILL uses high-quality brown fused alumina crude from our independently researched and developed smelting furnace for crushing, which has the advantages of less impurities, stable chemical performance, uniform particles, low magnetic properties, good self-sharpness, and stable product quality.

APPLICATIONS

A58 grains are blocky, regular, neat particles, high bulk density, toughness, high durability. The bonded abrasives made of A58 grains has good balance and uniform grinding force, which is suitable for making vitrified abrasives, resin bonded abrasives, thin wheels, rubber abrasives, and is widely used for heavy duty, cylindrical grinding, double disc grinding, working for carbon steel, malleable cast iron, etc.

GRITS AVAILABLE: F4-F1200

Customized sizes available upon request

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	Fe ₂ O ₃	SiO ₂	TiO ₂
95.80	0.08	0.75	2.65

TYPICAL PHYSICAL PROPERTIES

Mineral Composition	Alpha Alumina	Color	Dark Brown
Mons' Hardness	≥9.0	Knoop Hardness	1900-2200
Melting Point	2090°C	Hydrophilicity (F46)	125mm
Specific Gravity	≥3.90	Toughness (F24)	40%

TYPICAL BULK DENSITY

GRITS	BULK DENSITY	GRITS	BULK DENSITY
F12	1.95-2.05	F54	1.79-1.89
F14	1.94-2.04	F60	1.77-1.87
F16	1.92-2.02	F70	1.75-1.85
F20	1.91-2.01	F80	1.73-1.83
F22	1.91-2.01	F90	1.70-1.80
F24	1.90-1.99	F100	1.68-1.78
F30	1.87-1.97	F120	1.65-1.75
F36	1.84-1.94	F150	1.62-1.72
F40	1.82-1.92	F180	1.60-1.70
F46	1.80-1.90	F220	1.58-1.68