DOMILL ABRASIVE
HENAN DOMILL ABRASIVE TECHNOLOGY CO., LTD

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REGULAR WHITE FUSED ALUMINA

DESCRIPTION

White Fused Alumina produced by using the alumina powder as raw material, in the electric arc furnace by more than 2000 degrees high temperature melting. White Fused Alumina has the compact texture, uniform crystal, high purity and high hardness. So it is suitable for high carbon steel, high speed steel, quenched steel grinding.

APPLICATIONS

WA15 is angular, moderate bulk density. The bonded abrasives made by it have good sharpness, durability and high grinding efficiency. It is used for the production of resin abrasives and vitrified abrasives, and the processing of high carbon steel, alloy steel, quenched steel and other materials with high hardness and high expansion strength.

WA18 is blocky, the particles are regular, neat, high bulk density, high toughness, high durability. It is suitable for making resin abrasives and vitrified abrasives with good balance and uniform force.

GRITS AVAILABLE：F12-F1200

Customized sizes available upon request

TYPICAL CHEMICAL ANALYSIS

Al_2O_3	Fe_2O_3	NaO_2	SiO_2
99.52	0.02	0.24	0.1

TYPICAL PHYSICAL PROPERTIES

Mineral Composition	Alpha Alumina	Color	White
Mons' Hardness	≥9.0	Knoop Hardness	2200-2300
Melting Point	2000°C	Hydrophilicity (F46)	82mm
Specific Gravity	≥3.90	Toughness (F46)	41%

TYPICAL BULK DENSITY

GRITS	BULK DENSITY	
	WA15	WA18
F16	1.80-1.90	1.87-1.97
F20	1.78-1.88	1.85-1.95
F22	1.77-1.87	1.84-1.94
F24	1.76-1.86	1.84-1.94
F30	1.74-1.84	1.82-1.92
F36	1.73-1.83	1.81-1.91
F40	1.72-1.82	1.80-1.90
F46	1.71-1.81	1.79-1.89
F54	1.69-1.79	1.77-1.87
F60	1.67-1.77	1.75-1.85
F70	1.66-1.76	1.74-1.84
F80	1.64-1.74	1.72-1.82
F90	1.62-1.72	1.70-1.79
F100	1.60-1.70	1.68-1.78
F120	1.57-1.67	1.65-1.75
F150	1.54-1.64	1.62-1.72
F180	1.51-1.61	1.59-1.69
F220	1.48-1.58	1.56-1.66