DOMILL ABRASIVE
HENAN DOMILL ABRASIVE TECHNOLOGY CO., LTD

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1050 CALCINED BROWN FUSED ALUMINA FOR BONDED ABRASIVES

Mineral Composition	Alpha Alumina	Color	Brown
Mons' Hardness	≥9.0	Knoop Hardness	1950-2250
Melting Point	2200°C	Hydrophilicity (F46)	170mm
Specific Gravity	≥3.95	Toughness (F24)	60%

DESCRIPTION

After calcination, brown fused alumina reduces the reverse expansion, impurities and micro-cracks caused by crushing of abrasive particles, and the grain has the characteristics of high purity, stable chemical properties and high temperature resistance. Its toughness, hydrophilicity, cleanliness, magnetic content and hardness are obviously higher than regular BFA.

APPLICATIONS

AT12 is sharp, low bulk density, better than A12. AT12 is suitable for making mid-range resin bonded abrasives, with fast cutting and high grinding ratio, machining of low carbon steel, steel alloy, hard bronze and rubber.

AT18 is blocky, high bulk density, better than A18. The abrasive tools made by them have improved durability, is suitable to make mid-range bonded abrasives for heavy-duty machining, cylindrical grinding and malleable cast-iron.

GRITS AVAILABLE：F4-F1200

Customized sizes available upon request

TYPICAL CHEMICAL ANALYSIS

Al_2O_3	Fe_2O_3	SiO_2	TiO_2
95.55	0.09	1.05	2.50

TYPICAL BULK DENSITY

GRITS	BULK DENSITY	
	AT12	AT18
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