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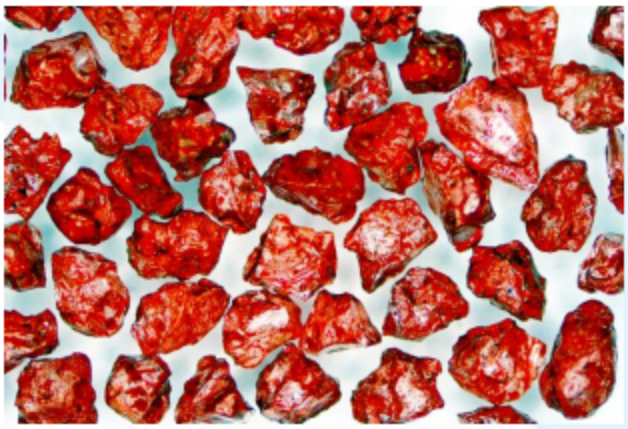
COATED BROWN FUSED ALUMINA FOR BONDED ABRASIVES



DESCRIPTION

Coated brown fused alumina refers to an improved grain that uses a certain amount of ceramic material plus special additives to wrap to the particle surface without gaps and calcine in a specific temperature and time. The irregularity surface bonds more intimately with phenolic resins. This gives longer abrasive wheel life and improves grinding performance.

APPLICATIONS

ATR18 is base on A18, after coating and 1050 calcined, the color is light red, hydrophilicity is obviously improved. It has strong cohesive force, mainly used for making top-grade resin bonded abrasives for heavy loading grinding of metal.

ABR18 is base on AT18, after coating and 1350 calcined , the color is dark red, various indicators is better than ATR18. It is mainly used for making top-grade heavy duty grinding wheel, which have higher grinding stability and service life.

GRITS AVAILABLE：F4-F400

Customized sizes available upon request

TYPICAL CHEMICAL ANALYSIS

Al_2O_3	Fe_2O_3	SiO_2	TiO_2
95.10	1.02	0.85	2.50

TYPICAL PHYSICAL PROPERTIES

Mineral Composition	Alpha Alumina	Color	Red
Mons' Hardness	≥9.0	Knoop Hardness	1950-2250
Melting Point	2200°C	Hydrophilicity (F46)	218mm
Specific Gravity	≥3.95	Toughness (F24)	61%

TYPICAL BULK DENSITY

GRITS	BULK DENSITY	
	ATR18	ABR18
F12	1.93-2.03	1.93-2.03
F14	1.92-2.02	1.92-2.02
F16	1.91-2.01	1.91-2.01
F20	1.91-2.01	1.91-2.01
F22	1.89-1.99	1.89-1.99
F24	1.87-1.97	1.87-1.97
F30	1.83-1.93	1.83-1.93
F36	1.80-1.90	1.80-1.90
F40	1.78-1.88	1.78-1.88
F46	1.76-1.86	1.76-1.86
F54	1.74-1.84	1.74-1.84
F60	1.72-1.82	1.72-1.82
F70	1.71-1.81	1.70-1.80
F80	1.69-1.79	1.68-1.78
F90	1.67-1.77	1.65-1.75
F100	1.63-1.73	1.62-1.72
F120	1.61-1.71	1.60-1.70
F150	1.58-1.68	1.57-1.67
F180	1.55-1.65	1.54-1.64
F220	1.53-1.63	1.52-1.62