

COATED BROWN FUSED ALUMINA FOR COATED 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 belt life and improves grinding performance.

APPLICATIONS

ATR25 is base on A25, angular, after coating and 1050 calcined, the color is light red, hydrophilicity is obviously improved. It has strong cohesive force, mainly used for top-grade coated abrasives, such as sandpaper, abrasive cloth, abrasive belt, for plank polishing, machining of low carbon steel, alloy steel.

ABR25 is base on AT25, after coating and 1350 calcined, the color is dark red, various indicators is better than ATR25. It is mainly used for manufacturing high-grade coated abrasives, for high-demand hardwood polishing and metal heavy-load abrasive belt grinding.

GRITS AVAILABLE: P12-P800

Customized sizes available upon request

TYPICAL CHEMICAL ANALYSIS

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

Al ₂ O ₃	Fe ₂ O ₃	SiO ₂	TiO ₂
95.10	0.65	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 (P50)	198mm
Specific Gravity	≥3.95	Toughness (P24)	48%

TYPICAL BULK DENSITY

GRITS	BULK DENSITY	
	ATR25	ABR25
P12	1.87-1.93	1.87-1.93
P16	1.86-1.92	1.86-1.92
P20	1.85-1.91	1.85-1.91
P24	1.83-1.89	1.83-1.89
P30	1.81-1.87	1.81-1.87
P36	1.78-1.84	1.78-1.84
P40	1.74-1.80	1.74-1.80
P50	1.70-1.76	1.70-1.76
P60	1.66-1.72	1.66-1.72
P80	1.62-1.68	1.62-1.68
P100	1.58-1.64	1.58-1.64
P120	1.56-1.62	1.56-1.62
P150	1.54-1.60	1.54-1.60
P180	1.52-1.58	1.52-1.58
P220	1.50-1.56	1.50-1.56