

ARTIRUNDUM®

AOB, AOB-M2

ARTIRUNDUM® AOB undergoes precision fusing to obtain optimum composition for the six main oxides, particularly CaO is controlled under 0.1% to ensure stable strength of abrasives. The chemistry is consistent not only in different batches but also maintained within narrow variation from coarse to fine sizes. The grains are special magnetic separated for extremely low free iron content and carefully engineered for uniform particle shape. The minerals are mainly used in making all types of bonded grinding wheels and centreless abrasive tools for working on alloy steel, tool steel, bearing steel, harden steel and nodular cast-iron, etc.

ARTIRUNDUM® AOB is calcined to blue with maximum toughness and durability for making grinding wheels where extra heavy duty grinding and high speed cutting are required.

ARTIRUNDUM® AOB-M2 is further treated with ceramic coating to increase the adhesive action where special grinding wheels with stronger bonds are required.

TYPICAL CHEMICAL ANALYSIS (F24)

Al ₂ O ₃	TiO ₂	SiO ₂	Fe ₂ O ₃	CaO	MgO
96.37%	2.75%	0.50%	0.10%	0.08%	0.20%

PHYSICAL PROPERTIES

	AOB
Colour	Blue
Shape	Blocky
Bulk density	High
Toughness	Very high
Cutting power	Medium

BULK DENSITY (g/cm³)

Size	AOB	Size	AOB	Size	AOB
F8	1.98 - 2.10	F30	1.86 - 1.98	F90	1.66 - 1.78
F10	1.96 - 2.08	F36	1.83 - 1.95	F100	1.63 - 1.75
F12	1.95 - 2.07	F40	1.80 - 1.92	F120	1.62 - 1.74
F14	1.93 - 2.05	F46	1.78 - 1.90	F150	1.59 - 1.73
F16	1.92 - 2.04	F54	1.76 - 1.88	F180	1.57 - 1.71
F20	1.90 - 2.02	F60	1.74 - 1.86	F220	1.55 - 1.70
F22	1.89 - 2.01	F70	1.68 - 1.80		
F24	1.88 - 2.00	F80	1.67 - 1.79		

Bulk density after M2 treatment is subject to ± 0.04 g/cm³ variation.

PACKING

1,000Kg big bags with four handles for loading and unloading;
40 X 25Kg paper bags on pallet and wrapped by plastic shrunked sheets.

ARTIRUNDUM® AOB is produced in accordance with GB/T 3043-2000 for chemical analysis; ANSI B74.19 for magnetic content; FEPA 44-GB-1986 for bulk density and FEPA 42-GB-1984 for grading. Specifications are subject to change without notice. (12/12)



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ISO 14001:2004 Cert. CN13/20419