

ARTIRUNDUM®

AOA, AOAD

ARTIRUNDUM® AOA and AOAD undergo 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® AOA and AOAD are repeatedly magnetic separated for making vitrified bonded grinding wheels where bright colour without ferro spot is concerned.

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

	AOA	AOAD
Colour	Brown	Brown
Shape	Blocky	Angular
Bulk density	High	Low
Toughness	High	Medium
Cutting power	High	High

BULK DENSITY (g/cm³)

Size	AOA	AOAD	Size	AOA	AOAD
F8	2.00 - 2.12	1.88 - 1.98	F54	1.73 - 1.83	1.69 - 1.79
F10	2.00 - 2.12	1.88 - 1.98	F60	1.72 - 1.82	1.67 - 1.77
F12	1.98 - 2.10	1.88 - 1.98	F70	1.71 - 1.81	1.65 - 1.75
F14	1.95 - 2.07	1.86 - 1.96	F80	1.70 - 1.80	1.63 - 1.73
F16	1.93 - 2.05	1.84 - 1.94	F90	1.68 - 1.78	1.61 - 1.71
F20	1.90 - 2.02	1.82 - 1.92	F100	1.66 - 1.76	1.59 - 1.69
F22	1.89 - 2.01	1.81 - 1.91	F120	1.65 - 1.75	1.58 - 1.68
F24	1.88 - 1.98	1.80 - 1.90	F150	1.64 - 1.74	1.57 - 1.67
F30	1.86 - 1.96	1.77 - 1.87	F180	1.61 - 1.71	1.54 - 1.64
F36	1.84 - 1.94	1.75 - 1.85	F220	1.60 - 1.70	1.53 - 1.63
F40	1.79 - 1.89	1.73 - 1.83	F240	1.60 - 1.70	1.52 - 1.62
F46	1.77 - 1.87	1.72 - 1.82			

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® AOA and AOAD are 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 (except F240). Specifications are subject to change without notice. (12/12)



ART ABRASIVES LIMITED

www.artabrasives.com Production • Kaili, Guizhou & Suzhou, Jiangsu
Sales • 9C Alpha House, 27-33 Nathan Road, Tsimshatsui, Kowloon, Hong Kong
+852-2722-0511 +852-2724-4376 (fax) product_enquiry@artabrasives.com



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ISO 14001:2004 Cert. CN13/20419