

ARTIRUNDUM®

AOR, AORD, AOR-M2, AORD-M2

ARTIRUNDUM® AOR and AORD are carefully fused to provide consistent chemical compositions and stable bulk densities in different batches and grit sizes. The grains are specially engineered for dense, uniform particle shape and clean surface.

ARTIRUNDUM® AOR and AORD are mainly used in making all types of organic bonded grinding wheels for working on alloy steel, tool steel, bearing steel, harden steel and nodular cast-iron, etc. where long life, heavy pressure grinding and high speed cutting are required.

ARTIRUNDUM® AOR-M2 and AORD-M2 are 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

	AOR	AORD
Colour	Brown	Brown
Shape	Blocky	Angular
Bulk density	High	Low
Toughness	High	Medium
Cutting power	High	High

BULK DENSITY (g/cm³)

Size	AOR	AORD	Size	AOR	AORD
F8	2.00 - 2.12	1.88 - 1.98	F54	1.71 - 1.85	1.69 - 1.80
F10	2.00 - 2.12	1.88 - 1.98	F60	1.70 - 1.84	1.67 - 1.78
F12	1.98 - 2.10	1.88 - 1.98	F70	1.67 - 1.81	1.65 - 1.76
F14	1.95 - 2.07	1.86 - 1.97	F80	1.66 - 1.80	1.63 - 1.74
F16	1.92 - 2.04	1.84 - 1.95	F90	1.64 - 1.78	1.61 - 1.72
F20	1.90 - 2.02	1.82 - 1.93	F100	1.61 - 1.75	1.59 - 1.70
F22	1.88 - 2.00	1.81 - 1.92	F120	1.60 - 1.74	1.58 - 1.69
F24	1.87 - 1.99	1.80 - 1.91	F150	1.59 - 1.73	1.57 - 1.68
F30	1.85 - 1.99	1.77 - 1.88	F180	1.58 - 1.72	1.54 - 1.65
F36	1.83 - 1.97	1.75 - 1.86	F220	1.57 - 1.71	1.53 - 1.63
F40	1.77 - 1.91	1.73 - 1.84	F240	1.56 - 1.70	1.52 - 1.62
F46	1.75 - 1.89	1.72 - 1.83			

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® AOR and AORD 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)



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ISO 9001:2008 Cert. CN99/17081, CN13/20418
ISO 14001:2004 Cert. CN13/20419