

ARTIRUNDUM®

SFR, SFRG, SFR-M2, SFRG-M2

ARTIRUNDUM® SFR and SFRG are semi-friable brown fused alumina. They are undergone precision fusing for special crystallization and low titanium content. The grains are specially engineered for uniform particle shape with sharp cutting edges.

ARTIRUNDUM® SFR and SFRG are specially used in making different types of grinding wheels for working on heat sensitive conditions while high speed cutting is required.

ARTIRUNDUM® SFR-M2 and SFRG-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
97.86%	1.60%	0.25%	0.08%	0.06%	0.15%

PHYSICAL PROPERTIES

	SFR	SFRG
Colour	Light Brown	Light Brown
Shape	Angular	Blocky
Bulk density	Low	High
Toughness	Medium	High
Cutting power	Very High	Very High

BULK DENSITY (g/cm³)

Size	SFR	SFRG	Size	SFR	SFRG
F8	1.88 - 1.97	1.98 - 2.08	F54	1.69 - 1.78	1.79 - 1.89
F10	1.87 - 1.96	1.97 - 2.07	F60	1.68 - 1.77	1.78 - 1.88
F12	1.86 - 1.95	1.96 - 2.06	F70	1.67 - 1.76	1.77 - 1.87
F14	1.85 - 1.94	1.95 - 2.05	F80	1.64 - 1.73	1.74 - 1.84
F16	1.84 - 1.93	1.94 - 2.04	F90	1.62 - 1.71	1.72 - 1.82
F20	1.83 - 1.92	1.93 - 2.03	F100	1.59 - 1.68	1.69 - 1.79
F22	1.80 - 1.89	1.90 - 2.00	F120	1.57 - 1.66	1.67 - 1.77
F24	1.79 - 1.88	1.89 - 1.99	F150	1.55 - 1.64	1.65 - 1.75
F30	1.76 - 1.85	1.86 - 1.96	F180	1.53 - 1.62	1.63 - 1.73
F36	1.74 - 1.83	1.84 - 1.94	F220	1.52 - 1.61	1.62 - 1.72
F40	1.72 - 1.81	1.82 - 1.92	F240	1.51 - 1.60	1.61 - 1.71
F46	1.70 - 1.79	1.80 - 1.90			

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® SFR and SFRG 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 14001:2004 Cert. CN13/20419