

SFAR - R (Macro) >> BONDED

Brown Fused Aluminum Oxide

SFAR is a semi-friable brown fused aluminum oxide obtained by reductive fusion of high purity bauxites in electric arc furnaces. In order to improve its quality this material is heat treated at high temperatures. SFAR is recommended for high performance bonded abrasives. Produced according to ANSI or FEPA-F.

General Characteristics

True Specific Gravity	Friability (ANSI-B74.8R2007)
3.94 g/cm ³	55%

Chemical Analysis by XRF (%)

Al ₂ O ₃	TiO ₂	SiO ₂	Fe ₂ O ₃
97.72	1.18	0.52	0.15

Bulk Density (g/cm³)

Grit Size	(R) cubic
10	1.93
12	1.93
14	1.92
16	1.92
20	1.92
22	1.92
24	1.89
30	1.88
36	1.87
40	1.83
46	1.82
54	1.82
60	1.83
70	1.76
80	1.75
90	1.72
100	1.69
120	1.67
150	1.59
180	1.59
220	1.58

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