

BTBFST - R (Macro) >> BONDED

Brown Fused Aluminum Oxide

BTBFST is a brown fused aluminum oxide obtained by a reductive fusion of high quality bauxites in electric arc furnaces. The grits are silane coated, which promotes a better connection between the abrasive grain and phenolic resin binder. The grits are heated at high temperatures and turn blue due to their controlled chemistry increasing toughness. BTBFST is recommended for high performance grinding wheels. Produced according to ANSI or FEPA-F.

General Characteristics

True Specific Gravity	Friability (ANSI-B74.8R2007)
3.96 g/cm ³	50%

Chemical Analysis by XRF (%)

Al ₂ O ₃	TiO ₂	SiO ₂	Fe ₂ O ₃	MgO
95.76	2.62	0.69	0.37	0.28

Bulk Density (g/cm³)

Grit Size	(R) cubic
10	1.93
12	1.93
14	1.93
16	1.91
20	1.91
22	1.91
24	1.91
30	1.91
36	1.91
40	1.80
46	1.80
54	1.83
60	1.80
70	1.78
80	1.77
90	1.73
100	1.65
120	1.63
150	1.60
180	1.59
220	1.59

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