

## BTBF - R (Macro) >> BONDED

### Brown Fused Aluminum Oxide

BTBF is a brown fused aluminum oxide obtained by a reductive fusion of high quality bauxites in electric arc furnaces. The grits are heated at high temperatures and turn blue due to their controlled chemistry increasing toughness. BTBF 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 <sup>3</sup>	50%

### Chemical Analysis by XRF (%)

Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO
95.76	2.62	0.69	0.37	0.28

### Bulk Density (g/cm<sup>3</sup>)

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	1.85
46	1.85
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

FEPA 44 - 1:2006