

BTST - R (Macro) >> BONDED

Brown Fused Aluminum Oxide

BTST is a brown fused aluminum oxide obtained by a reduction fusion of high quality bauxites in electric arc furnaces. Due to its high toughness, the grits are silane coated, which promotes a better connection between the abrasive grain and phenolic resin binder. BTST-R 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	52%

Chemical Analysis by XRF (%)

Al ₂ O ₃	TiO ₂	SiO ₂	Fe ₂ O ₃	MgO
95.61	2.55	0.90	0.23	0.32

Bulk Density (g/cm³)

Grit Size	(LD) sharp	(R) cubic	HD (super cubic)
10	1.79	1.90	2.01
12	1.80	1.91	2.02
14	1.80	1.91	2.02
16	1.79	1.90	2.01
20	1.79	1.90	2.01
22	1.79	1.90	2.01
24	1.78	1.89	2.00
30	1.77	1.88	1.99
36	1.77	1.88	1.99
40	1.75	1.86	1.97
46	1.74	1.85	1.96
54	1.70	1.81	1.92
60	1.68	1.79	1.90
70	1.65	1.76	1.87
80	1.63	1.74	1.85
90	1.60	1.71	1.83
100	1.58	1.69	1.80
120	1.55	1.66	1.77
150	1.54	1.65	1.76
180	1.51	1.62	1.73
220	1.49	1.60	1.71

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