

BTCALRC - R (Macro) >> BONDED

Brown Fused Aluminum Oxide

BTCALRC is a brown fused aluminum oxide obtained by a reduction fusion of high quality in electric arc furnaces. The grits are ceramic coated, which provides an increase in the specific surface of the abrasive grain and a better adhesion between the abrasive grain and resin. In order to improve its quality this material is calcined and present low dust content. It's recommended for high performance bonded abrasives. Produced according to ANSI or FEPA-F.

General Characteristics

True Specific Gravity	Friability (ANSI-B74.8R2007)
3.96 g/cm ³	46%

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

Densidade Bulk (g/cm³)

Grit Size	(LD) sharp	(R) cubic	(HD) super cubic
10	1.83	1.94	2.05
12	1.83	1.94	2.05
14	1.82	1.93	2.04
16	1.82	1.93	2.04
20	1.79	1.90	2.01
22	1.78	1.89	2.00
24	1.78	1.89	2.00
30	1.77	1.88	1.99
36	1.77	1.88	1.99
40	1.76	1.87	1.98
46	1.75	1.86	1.97
54	1.69	1.80	1.91
60	1.69	1.80	1.91
70	1.65	1.76	1.87
80	1.64	1.75	1.86
90	1.60	1.71	1.82
100	1.58	1.69	1.80
120	1.57	1.68	1.79
150	1.55	1.66	1.77
180	1.53	1.64	1.75
220	1.50	1.61	1.72

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