

BTUSRC - RED COATED BROWN ALUMINUM OXIDE

Red Coated Brown Fused Alumina (Al_2O_3) for refractory and abrasive

ABOUT: BTUSRC is a red coated brown fused aluminum oxide obtained by a reductive fusion of high quality bauxites in electric arc furnaces. The grits are ceramic coated with iron oxide at high temperatures improving their capacity to bond each other in resin bonded cutting-off discs. BTUSRC can also be added in grinding wheels formulations (grits 10, 12, 14 and 16) for high stock removal ratio, substituting as far as 20% of the alumina-zirconia grits normally used in these abrasives. Produced according to ANSI or FEPA-F.

Typical Physical Properties

True Specific Gravity	Friability (ANSI-B74.8R2007)	Color
3.96 g/cm ³	52%	Red

Bulk Density (g/cm³)

Grit Size	(R) cubic
10	1.90
12	1.91
14	1.91
16	1.90
20	1.90
22	1.90
24	1.89
30	1.88
36	1.88
40	1.86
46	1.85
54	1.81
60	1.79
70	1.76
80	1.74
90	1.71
100	1.69
120	1.66

Typical Chemical Analysis by XRF (%)

Al_2O_3	TiO_2	SiO_2	Fe_2O_3	MgO
95.49	2.46	0.78	0.59	0.29

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