

Brown Fused Aluminum Oxide

ALOMAX

ALOMAX is a semi friable brown fused aluminum oxide obtained from the fusion of high purity bauxites in electric arc furnace. ALOMAX presents good toughness and excellent abrasion properties, being recommended for high performance bonded abrasives.

Types of Treatment

Treatment	Shape Block
Not treated	ALOMAX R
Red Coated (RC)*	ALOMAXRC R
Silane Treated (ST)*	ALOMAXST R

General Characteristics

True Specific Gravity	Hardness (Knoop – 100)	Toughness (ANSI-B74.8R2007)
3.94 g/cm ³	1,900 kgf/cm ²	41%

Chemical Analysis by XRF (%)

AL ₂ O ₃	TiO ₂	SiO ₂	Fe ₂ O ₃	MgO
97.74	1.29	0.51	0.13	0.05

Bulk Density (g/cm³)

Grit Size	R	Grit Size	R
10	1.87 – 1.97	54	1.78 – 1.88
12	1.87 – 1.97	60	1.75 – 1.85
14	1.87 – 1.97	70	1.71 – 1.81
16	1.87 – 1.97	80	1.69 – 1.79
20	1.87 – 1.97	90	1.67 – 1.77
24	1.84 – 1.94	100	1.66 – 1.76
30	1.84 – 1.94	120	1.64 – 1.74
36	1.83 – 1.93	150	1.61 – 1.71
40	1.80 – 1.90	180	1.60 – 1.70
46	1.80 – 1.90	220	1.60 – 1.70

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*Treatment (RC or ST) can affect bulk density by ± 0.05 g/cm³

The values informed above are typical, for further information contact Applications Engineer Department.

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