

ALOMAX - BROWN ALUMINUM OXIDE

Semi Friable Brown Fused Alumina (Al_2O_3) for bonded abrasives

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 and is recommended for high performance bonded abrasives.

Typical Physical Properties

True Specific Gravity	Knoop 100 Hardness	Toughness (ANSI-B74.8R2007)
3.94 g/cm ³	1,900 kg/cm ²	58%

Typical Chemical Analysis by XRF (%)

Al ₂ O ₃	TiO ₂	SiO ₂	Fe ₂ O ₃	MgO
97.67	1.22	0.54	0.15	0.04

Types of Treatment

Not Treated	Red Coated (RC)*	Silane Treated (ST)*
ALOMAX R	ALOMAXRC R	ALOMAXST R

Bulk Density (g/cm³)

Grit Size	(R) cubic
10	1.92
12	1.91
14	1.91
16	1.91
20	1.89
22	1.89
24	1.90
30	1.89
36	1.88
40	1.85
46	1.84
54	1.79
60	1.78
70	1.76
80	1.76
90	1.72
100	1.69
120	1.68
150	1.66
180	1.65
220	1.64

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

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