



ALOMAX – BROWN ALUMINUM OXIDE

SEMI FRIABLE BROWN FUSED ALUMINA (AL₂O₃) FOR BONDED ABRASIVES

ABOUT:

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 CHEMICAL ANALYSIS	
Al ₂ O ₃	97.74%
TiO ₂	1.29
SiO ₂	0.51
Fe ₂ O ₃	0.13
MgO	0.05

TYPICAL PHYSICAL PROPERTIES	
Specific Gravity:	3.94 g/cc
Knoop 100 Hardness:	1900 kg/cm ²
Toughness:	41% (ANSI-B74.8 R2007)

TYPES OF TREATMENT	
Treatment	SHAPE
	Blocky
Not Treated	ALOMAX R
Red Coated (RC)*	ALOMAXRC R
Silane Treated (ST)*	ALOMAXST R

BULK DENSITY (g/cc)			
Grit Size	R	Grit Size	R
10	1.87 - 1.97	50	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

FEPA 44 - 1:2006

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

The information contained in this data sheet has been determined through the application of accepted engineering practice and is believed to be reliable. Since the conditions of application and use of our products are beyond our control, no warranty is expressed or implied regarding accuracy of the information, the results to be obtained from use of the product, or that such use will not infringe on any patent. This information is furnished with the express condition that you will make your own tests to determine the suitability of the product for your particular use.

USEM

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Updated: 04/13