



ALOTAB – BROWN ALUMINUM OXIDE

BROWN FUSED ALUMINA (AL₂O₃) FOR REFRACTORIES

ABOUT:

ALOTAB is a brown fused aluminum oxide obtained from the fusion of high purity bauxites in electric arc furnaces. It has higher reduction than AR product and it is recommended for refractory applications.

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	97.29%
TiO ₂	1.21
SiO ₂	0.57
Fe ₂ O ₃	0.25
MgO	0.13

TYPICAL PHYSICAL PROPERTIES

Crystal Structure:	α-alumina
Melting Point:	2020° C
Color:	Brown
Specific Gravity:	4.0 g/cc
Reversible Linear Expansion:	1.2% at 1400° C
Apparent Porosity:	2.94%
Apparent Specific Density:	3.88 g/cm ³

App. Porosity & App. Specific Density by ASTM C 20-00

AVAILABLE SIZES

MESH	METRIC (mm)
3/4" x 5/16"	19.1 - 8.00
5/16" x 4	8.00 - 4.75
4 x 10	4.75 - 2.00
10 x 20	2.00 - 0.850
10 x 40	2.00 - 0.425
20 x 40	0.850 - 0.425
40 x 200	0.425 - 0.075
TPF II	- 0.212
200 MF	- 0.075
325 MF	- 0.045

*Other sizes available upon request

USEM

U.S. ELECTROFUSED MINERALS, INC.

600 Steel Street, Aliquippa, PA 15001

Phone: 800-927-8823

email: info@usminerals.com

www.usminerals.com



ELECTRO ABRASIVES

701 Willet Road, Buffalo, NY 14218

Phone: 716-822-2500

Email: info@electroabrasives.com

www.electroabrasives.com



GRUPO CURIMBABA

Updated: 04/13

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.