



AL — WHITE FUSED ALUMINUM OXIDE

WHITE FUSED ALUMINA (AL₂O₃) FOR REFRACTORIES

ABOUT:

AL is a white aluminum oxide obtained from the fusion of calcined alumina in electric arc furnaces. It is recommended for refractory applications where purity, chemical stability or high refractoriness is an issue to be considered.

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	99.49%
Fe ₂ O ₃	0.03
Na ₂ O	0.39

TYPICAL PHYSICAL PROPERTIES

Crystal Structure:	α-alumina
Melting Point:	2040° C
Color:	White
Specific Gravity:	3.94 g/cc
Average Crystal Size:	6,000 μm
Reversible Linear Expansion:	1.3% at 1400° C
Apparent Porosity:	7.3%
Apparent Specific Density:	3.65 g/cm ³

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

AVAILABLE SIZES

MESH	METRIC
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	

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USEM

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