



ALP — WHITE FUSED ALUMINUM OXIDE

WHITE FUSED ALUMINA (AL₂O₃) FOR REFRACTORIES

ABOUT:

ALP is a white aluminum oxide obtained from the fusion of calcined alumina and small quantity of chromium oxide in electric arc furnaces. It is recommended for refractory applications where 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
SiO ₂	0.19
Cr ₂ O ₃	0.08

TYPICAL PHYSICAL PROPERTIES

Crystal Structure:	α-alumina
Melting Point:	2020° C
Color:	White / Grey
Specific Gravity:	3.91 g/cc
Reversible Linear Expansion:	1.3% at 1400° C
Apparent Porosity:	8.6%
Apparent Specific Density:	3.58 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

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USEM

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