



AR – BROWN ALUMINUM OXIDE

BROWN FUSED ALUMINA (AL₂O₃) FOR REFRACTORIES

ABOUT:

AR is a brown fused aluminum oxide obtained from the fusion of high purity bauxites in electric arc furnaces. It presents an excellent cost/benefit relation, being recommended for refractory application where a high iron content is not an issue.

TYPICAL CHEMICAL ANALYSIS	
Al ₂ O ₃	96.49%
TiO ₂	1.57
SiO ₂	0.79
Fe ₂ O ₃	0.51
MgO	0.24

TYPICAL PHYSICAL PROPERTIES	
Crystal Structure:	α-alumina
Melting Point:	2020° C
Color:	Brown
Specific Gravity:	3.94 g/cc
Reversible Linear Expansion:	1.42% at 1400° C
Apparent Porosity:	3.55%
Apparent Specific Density:	3.82 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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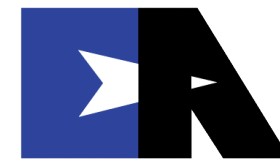
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