

ALOCAL

Brown Fused Aluminum Oxide

ALOCAL is a brown fused aluminum oxide obtained from the fusion of high purity bauxites in electric arc furnaces. ALOCAL is heat treated in a rotary kiln at high temperatures and magnetic treated. These procedures guarantee low iron content in the product and it is recommended for refractory applications.

General Characteristics

True Specific Gravity	Melting Point	Crystalline Structure	Color
3.89 g/cm ³	2,020 °C	α - Alumina	Brown

Chemical Analysis by XRF (%)

Al ₂ O ₃	TiO ₂	SiO ₂	Fe ₂ O ₃	MgO
97.59	1.22	0.49	0.21	0.04

Typical Physical Properties

Apparent Porosity	Apparent Specific Density
2.44%	3,88 g/cm ³

Apparent Porosity and Apparent Specific Density by ASTM Designation C 20-00.

Grit Sizes

Size (astm)	Size (mm)
3/4" / 5/16"	19.1 - 8.00
5/16" / 4	8.00 - 4.75
4 / 10	4.75 - 2.00
10 / 20	2.00 - 850 μm
10 / 40	2.00 - 425 μm
20 / 40	850 - 425 μm
40 / 200	425 - 75 μm
TPF II	- 212 μm
200 MF	- 75 μm
325 MF	- 45 μm

* Other grit sizes upon request.