

ALOCAL

Brown Fused Aluminum Oxide

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

General Characteristics

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

Chemical Analysis by XRF (%)

Al ₂ O ₃	TiO ₂	SiO ₂	Fe ₂ O ₃	MgO
97.64	1.32	0.50	0.17	0.11

Typical Physical Properties

Apparent Porosity	Apparent Specific Density
2.34%	3,93 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.