

ALOTAB

Brown Fused Aluminum Oxide

ALOTAB is a brown fused aluminum oxide obtained from the fusion of high purity bauxites in electric arc furnaces. Due to its high content of Al_2O_3 and low iron content ALOTAB is recommended for refractory applications.

General Characteristics

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

Chemical Analysis by XRF (%)

Al_2O_3	TiO_2	SiO_2	Fe_2O_3	MgO
97.54	1.26	0.55	0.22	0.11

Typical Physical Properties

Apparent Porosity	Apparent Specific Density
2.18%	3.89 g/cm ³

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

Grit Size

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 μ m
10 / 40	2.00 - 425 μ m
20 / 40	850 - 425 μ m
40 / 200	425 - 75 μ m
TPF II	- 212 μ m
200 MF	- 75 μ m
325 MF	- 45 μ m

* Other grit sizes upon request.