

ACTIVATED ALUMINA

Activated alumina is produced from dihydroxylation of aluminum hydroxide $Al(OH)_3$. In this way, a material with very high porosity will be produced. This composition contains high amounts of aluminum oxide or alumina $[Al_2O_3]$. Due to the many tunnel-shaped pores that the material has, it has a very high surface area-to-weight ratio.

APPLICATION

- Use as Catalyst for production of PE and Peroxol.
- Use as Sulfur removal from the flows in Claus process.
- Use as desiccant for moisture removal from the air.
- Use as fluorine removal in drinking water.
- Use in PSA technology or other drying devices.



TECHNICAL DATASHEET

Parameter	Value
Al_2O_3	$\geq 92\%$
Na_2O	0.35%
Fe_2O_3	0.02%
SiO_2	0.02%
Size	2.38 - 4.76 mm
Pore Volume	0.4 - 0.5 cc/g
Bulk Density	0.7 - 0.8 g/cm ³
Crush Strength	100±15 N/sphere
Abration	2±1 wt %
Loss of Ignition	7±1 wt %
Water Adsorption Capacity	16±2 wt %



WHO WE ARE

Amolcarborundom Company

Our Company is the first producer of insulation fire brick in Iran that has been established in 1988. Our initial production was about 300m³ of insulation fire brick. However, after considerable progress in 30 years, the quantity, quality, and diversity of productions have dramatically increased.

+200 Refractory Contracts

Our Services:

- Producer of all kinds of insulating & refractory fire bricks
- Supplier of chemical and catalyst for industries of oil, gas, refineries and petrochemical.
- Design, consulting, and implementation of different industrial firing kilns.

+40 Chemical Contracts

