

TABULAR ALUMINA

Product Information



Tabular Alumina

Tabular Alumina is produced by sintering ball-formed calcined alumina at high temperature. In this process, the normally flat crystals recrystallizes into large plate-like or tablet-shaped crystals, and achieve extremely high chemical purity while maintaining the high hardness and density.

Tabular Alumina is a high density, high hardness, low water absorption, high chemical purity and chemical stability materia it has high thermal conductivity, high mechanical strength, excellent abrasion resistance and shock resistance. Which makes it a perfect raw material for refractory applications.



Physical Properties

Color & Appearance :	White Crystalline grits or Powder
Apparent Porosity :	5.0% Max
Bulk Density :	3.55g/cm ³ Min
Water Absorption :	≤ 1.0%
Mohs Hardness :	9.0
Knoop Hardness :	2000kg/mm ²

Chemical Composition

Items		Unit	Index	Typical
Chemical composition	Al ₂ O ₃	%	99.40 min	99.6
	SiO ₂	%	0.10 max	0.04
	Fe ₂ O ₃	%	0.10 max	0.07
	Na ₂ O	%	0.30 max	0.18

*Custom Chemistry is available upon request.

Available Grit Sizes

Products are manufactured under FEPA standard.

Macro Size: 0-0.2mm,0.2-0.6mm, 0-0.5mm,0.5-1mm, 0-1mm, 1-2mm, 1-3mm,3-5mm, 5-8MM...

Fine Powder: -200mesh,-325mesh

Noted :Custom sizes is available upon request.

Packaging

Standard Packaging:

- Big bags(1000kgs , 1250kgs, 1350kgs) with or without pallets;
- 20 or 25kg plastic or paper bags, with or without pallets.

*Custom Packaging is available upon request.

Application

Tabular Alumina is a perfect raw material for a wide range of refractory applications.

It is used in the manufacture of high-quality monolithic and shaped refractories, like kiln bricks, Special Ceramics, electrical insulators, and refractory cement, ladle castables, purge plugs, Sliding Nozzle, Prefabricated Parts in Steel, Aluminum, Glass, and Petrochemicals Industry.



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