
Tabular Alumina



Tabular Alumina (TA) is a kind of α -Al₂O₃ material which is rapidly sintered by high temperature shaft kiln then by rapid cooling. It has the characteristics of low open porosity and large crystals with closed spherical pores which are trapped upon re-crystallization during rapid sintering. Tabular alumina is of high refractoriness, excellent thermal shock resistant, fantastic anti-creeping and anti-stripping performance.

Typical Chemical Composition

Al ₂ O ₃ (%)	Na ₂ O(%)	SiO ₂ (%)	Fe ₂ O ₃ (%)
99.45	0.34	0.05	0.02

Typical Physical Characteristics

Bulk Density (g/cm ³)	Apparent Porosity (%)	Water Absorption (%)
3.55	2.35	0.72

Available Sizes

0-1mm, 1-3mm, 3-5mm, 5-8mm, 200#-0, 325#-0

Applications

- Refractory materials
- Electrical insulator
- Kiln furniture

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