

TECHINICAL DATA SHEET

BRIEF DISCRIPTION

Tabular alumina is a kind of pure sintered corundum, which is sintered and completely shrink without adding any additive, such as MgO or B₂O₃, with coarse crystals and well-developed Al₂O₃ crystal structure. The tabular crystal structure is characterized by narrow pores, with more closed porosity, almost the same apparent porosity compare with fused corundum, high purity, good stability volume density, tiny refiring shrink. After high temperature treatment, tabular alumina is used for refractories and castable characterized by good thermal shock stability and flexural strength.

CHEMICAL&PHYSICAL DATA

CHEMICAL	TYPICAL VALUE	GUARANTEE VALUE
AL ₂ O ₃	99.45%	99.2% MIN
Na ₂ O	0.34%	0.40% MAX
FE ₂ O ₃	0.02%	0.10% MAX
SiO ₂	0.05%	0.18% MAX
PHYSICAL	TYPICAL VALUE	GUARANTEE VALUE
BULK DENSITY	3.55G/CM ³	3.50G/CM ³ MIN
POROSITY	2.35%	5.00% MAX
WATER ABSORPTION	0.72%	1.50% MAX

TYPICAL SIZE

0-1MM 1-3MM 3-5MM 3-6MM 5-8MM

0-0.5MM 0.5-1MM 1-2MM 200F 325F

APPLICATIONS

Slide Gate refractory for CC Section.

Varieties of Ramming and Mortar mixes.

Insulation Bricks and castables.

Bottom Pouring Bricks.

Refractory filler & Kiln furniture.

Different Section of BF for lining as shape & monolithic

LCC, ULCC Castables along with many dense castable

Precast Pre Fired Product for Glass & Boiler Industry, Such as Porous plug, Well Block, Impact Pad.

Shape refractories such as AMC bricks for torpedo ladle, VD, VOD Metal Zone and Bottom Impact Part.