



FUSED DENSE CORUNDUM |

CHEMICAL COMPOSITION

Chemical Composition	Grit > 0.1mm	Typical Value	Fine Powder ≤ 0.1mm	Typical Value
Al ₂ O ₃ %≥	99.2	99.6	99	99.4
SiO ₂ %≤	0.5	0.4	0.7	0.5
Fe ₂ O ₃ %≤	0.1	0.03	0.1	0.05
TiO ₂ %≤	0.1	0.05	0.1	0.05
CaO%≤	0.1	0.05	0.1	0.05
MgO%≤	0.1	0.05	0.1	0.05
Na ₂ O%≤	0.1	0.05	0.1	0.05
C%≤	0.1	0.08	0.12	0.1
Apparent Porosity %≤	2	0.8	2	0.8
Bulk Density g/cm ³ ≥	3.9	3.93		
True Density g/cm ³ ≥	3.96	3.99	3.96	3.98

APPLICATION

- Fused dense corundum is one of the preferred raw materials for the production of high-performance amorphous and shaped refractories. It is widely used in industries like iron and steel, cement, ceramics, petrochemical and other industries.
- Making amorphous refractory materials such as blast furnace ditch castable, ladle castable, ramming material and prefabricated parts, as well as various
- Making shaped products such as "three major parts of continuous casting" (The three major parts of continuous casting refer to functional refractory elements such as integral stopper, long nozzle (large ladle long nozzle), submerged nozzle (nozzle used in tundish), tundish nozzle and so on), breathable brick and nozzle seat brick.
- Making steel-making long nozzle, sliding plate and various corundum bricks.