Sintered Alumina

Sintered alumina | sintered corundum | Al_2O_3 99 % min | CAS 1344-28-1

Product Description

Ochnology is a manufacturer and supplier of sintered alumina, also known as sintered corundum and dense sintered alumina aggregate (CAS 1344-28-1). It is made by sintering fine alumina powder at high temperature to a dense, low-porosity grain, with Al_2O_3 of 99.0% min, Na_2O of 0.40% max, SiO_2 of 0.10% max, Fe_2O_3 of 0.10% max and bulk density of 3.50 g/cm³ min, supplied in sizes of 0–1, 1–3, 3–5 and 5–8 mm. Sintered alumina is used as aggregate in high-alumina castables, bricks, monolithics and ladle linings for steel, cement and foundry applications. Ochnology supplies it as a sintered alumina supplier in India and for export, with a TDS, MSDS and COA for each lot.

Typical Specification

Parameter	Typical value
Alumina (Al_2O_3)	99.0 % min
Sodium oxide (Na_2O)	0.40 % max
Silicon dioxide (SiO_2)	0.10 % max
Iron oxide (Fe_2O_3)	0.10 % max
Bulk density	3.50 g/cm³ min
Water absorption	2.0 % max
Sizes	0–1, 1–3, 3–5 and 5–8 mm (other sizes on request)

Supply Details

Item	Detail
Form	Granular (graded sizes)
Packing	As per order; jumbo bags or small bags
Storage	Store dry in covered area, away from moisture
Transport classification	Not classified as dangerous goods
Certification	COA supplied with each lot

Typical Applications

- Aggregate in high-alumina castables
- Refractory bricks and monolithics
- Steel ladle and furnace linings
- Cement and foundry refractories

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