



Shanghai Chenxu Trading Co.,ltd

ADD: Room 531 Building 37 No.,2049 Road,Minhang District,Shanghai,CHINA.201104

Product	5N 99.999% high purity alumina
	5N 99.999% high purity alumina powder
	5N 99.999% high purity alumina polishing powder

Basic overview:

High purity alumina powder, also known as alumina, with molecular weight of 102, is a white amorphous powder, commonly known as bauxite

Characteristic:

1. Chemical corrosion resistance
2. High purity alumina with alumina content greater than 99%
3. High temperature resistance, normal use at 1600 °C, short-term 1800 °C
4. Resistant to sudden cooling and heat, not easy to crack
5. It is formed by grouting with high density

Our company alumina powder description: our company 5N 99.999% high purity alumina powder produced by alkoxide solution, through strict control of raw materials and production process, the high purity alumina powder has the advantages of high purity and high density



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Picture:



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Specifications:

5N 99.999% high purity alumina powder				4N high purity 99.99% and 5N high purity 99.999% alumina polishing powder	
Type		XC002	XC002A	CX005B	CX005C
Al ₂ O ₃ Content	%	≥99.999%	≥99.999%	≥99.99%	≥99.999%
Phase state		α-Al ₂ O ₃	α-Al ₂ O ₃	α-Al ₂ O ₃	α-Al ₂ O ₃
Appearance		White powder	White powder	White powder	White powder
L. I. O (%)		---	≤0.5	≤0.5	≤0.5
B		---	≤0.03	---	---
Na	ppm	≤2	≤1.12	≤15	≤2
Fe	ppm	≤2	≤0.8	≤10	≤2
Ca	ppm	≤1	≤0.51	≤2	≤1
Si	ppm	≤2	≤1.2	≤10	≤2
Cu	ppm	≤1	≤0.28	≤2	≤1
Mg	ppm	≤1	---	≤10	≤1
Ti	ppm	≤1	---	---	≤1
Cr	ppm	≤1	---	---	≤1
K	ppm	---	≤0.57	---	
Ni	ppm	---	0.12	---	
Co	ppm	---	≤0.09	---	
Zn	ppm	---	≤0.27	---	
D ₅₀ (Size)	um	10-30	20-40	20-50	10-30
Apparent Density	g/cm ³	0.3-0.5	0.4-0.7	0.4~0.6	0.4~0.6
Specific Surface Area	m ² /g	3-8	6-12	4~20	3-8
Sintered Density	g/cm ³	---	---	---	
Application		Sapphire crystal	laser crystal	metallographic polishing, stainless steel mirror polishing, titanium polishing, paint polishing, resin polishing	



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Application:

- 1) 4N 99.99% high purity alumina series is mainly used for high-pressure sodium lamps, new luminescent materials, special ceramics, advanced coatings, tricolor, catalysts and some high-performance materials
- 2) 5N 99.999% high purity alumina series is mainly used for artificial sapphire crystal, advanced ceramics, PDP phosphor and some high-performance materials. As the raw material of sapphire crystal, it can provide powder, particle, block or column according to different requirements.

OEM : We also have other type 4N and 5N high purity alumina powder , contact with us for OEM