



Shanghai Chenxu Trading Co.,ltd

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

Product	4N 99.99% high purity alumina
	4N 99.99% high purity aluminum oxide
	4N 99.99% high purity alumina powder
	4N 99.99% high purity aluminum oxide powder

Basic overview:

High purity alumina is a chemical with the chemical formula of Al_2O_3 .

Molecular weight: 102

Melting point: 2050 °C

Specific gravity: Al_2O_3 α Type 2.5-3.95g/cm³

Crystal form: γ Type α type

Features: high purity, particle size can be controlled according to the process, uniform particle size distribution, white tasteless powder

Our company alumina description: Our company 4N 99.99% high purity alumina/aluminum oxide powder is a kind of white powder with uniform particle size, easy dispersion, stable chemical properties, moderate high temperature shrinkage and good sintering properties; High conversion and low sodium content. This product is the basic raw material for producing heat-resistant, wear-resistant and corrosion-resistant products



Shanghai Chenxu Trading Co.,ltd

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

Picture:



Foreign trade director: Andy Zhang
Web: www.sh-alumina.com

Second

TEL:+86-(0)21-60879750
Email: info@sh-alumina.com



Shanghai Chenxu Trading Co.,ltd

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

Specifications:

4N 99.99% high purity alumina						
Type		CX008	CX003	CX004A	CX004B	CX004
Al2O3 Content	%	≥99.99%	≥99.99%	≥99.99%	≥99.99%	≥99.99%
Phase state		α -Al2O3	α -Al2O3	α -Al2O3	α -Al2O3	α -Al2O3
Appearance		White powder	White powder	White powder	White powder	White powder
L. O. I (%)		0.5	/	/	/	/
Na	ppm	≤10	≤10	≤20	≤20	≤20
Fe	ppm	≤10	≤10	≤20	≤20	≤20
Ca	ppm	≤2	≤2	≤2	≤2	≤2
Si	ppm	≤10	≤10	≤20	≤20	≤20
Cu	ppm	≤2	≤1	≤2	≤2	≤2
Mg	ppm	≤2	≤2	≤2	≤2	≤2
Ti	ppm	≤2	≤1	≤2	≤2	≤2
Cr	ppm	≤2	≤1	≤2	≤2	≤2
D50	um	0.5-0.8	0.2-0.8	0.5~30	0.5~30	0.5~30
Apparent Density	g/cm3	0.4-0.6	0.4-0.6	0.3~0.5	0.4~0.6	0.3~0.5
SpecificSurface	m2/g	4-12	6-15	3~10	≥180	3~10
Sintered Density	g/cm3	/	≥3.9	/	/	≤20
Main application		Lithium battery diaphragm	ceramics	Rare Earths Trichromatic Fluorescent Powder		LED Phosphor



Shanghai Chenxu Trading Co.,ltd

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

Generalized Application: 4N 99.99% high purity alumina/aluminum oxide powder was widely used for

- 1) Luminescent material: used as the main raw material of rare earth trichromatic phosphor, long afterglow phosphor, PDP phosphor and led phosphor;
- 2) Transparent ceramics: used as fluorescent tubes of high-pressure sodium lamps and electrically programmable read-only memory windows;
- 3) Single crystal: used for manufacturing ruby, sapphire and yttrium aluminum garnet;
- 4) High strength and high aluminum ceramics: used for manufacturing integrated circuit substrates, cutting tools and high-purity crucibles;
- 5) Abrasive: abrasive used for manufacturing glass, metal, semiconductor and plastic;
- 6) Diaphragm: used for manufacturing diaphragm coating of lithium battery;
- 7) Others: used as active coating, adsorbent, catalyst and catalyst carrier, vacuum coating, special glass raw materials, composites, resin filler, bioceramics, etc

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