

Product Parameters

Items	Liquid	Solid
Al ₂ O ₃ (%) >	10	29
B (%)	40-90	40-90
Density	1.12	—
Insoluble %≤	0.2	0.6
PH (100g/L aqueous solution)	3.5-5	3.5-5
Fe≤ (%)	—	—
As≤ (%)	0.0002	0.0002
Pb≤ (%)	0.001	0.001
Cd≤ (%)	0.0002	0.0002
Hg≤ (%)	0.00001	0.00001
Cr ₆₊ ≤ (%)	0.0005	0.0005
Indicators could be adjusted to the order. Packaging for solid product is 25kg/bag or customized to the order		

High Purity Polyaluminium Chloride (PAC)

Product Features

This pac is a new type of high-efficiency water purifying agent prepared by advanced technology using high-quality aluminum hydroxide produced in our own enterprise and high-purity synthetic hydrochloric acid, etc. The liquid product is colorless and transparent, and the solid one is white or milky white. It is the most pure PAC product at home and abroad, with the characteristic of low insoluble matter, dissolved easily, low basicity and low iron content ($\leq 100\text{ppm}$). In recent years, white polyaluminum chloride has replaced aluminum sulfate as a neutral sizing agent in the paper industry.

Flocculation characteristics and properties

- (1) High purity and low iron content, which can meet the production needs of paper and cosmetics;
- (2) Aqueous solution has low turbidity and good stability;
- (3) Least dissolved salt residual and low free aluminum residual, which is beneficial to ion exchange treatment and high purity water production;
- (4) Low corrosion, powder dissolved easily, superior to other products

Product Parameters

Items	Liquid	Solid
Al ₂ O ₃ (%) >	10	29
B (%)	45-90	45-90
Density	1.12	—
Insoluble %≤	0.1	0.1
PH (100g/L aqueous solution)	3.5-5	3.5-5
Fe≤ (%)	0.2	0.2
As≤ (%)	0.0001	0.0001
Pb≤ (%)	0.0005	0.0005
Cd≤ (%)	0.0001	0.0001
Hg≤ (%)	0.00001	0.00001
Cr ₆₊ ≤ (%)	0.0005	0.0005
Indicators could be adjusted to the order. Packaging for solid product is 25kg/bag or customized to the order		

High Purity Aluminum Nitride Powder



High Purity Aluminum Nitride Powder

Product Overview

High purity, low oxygen content, high sintering activity, narrow particle size distribution

Product Main Application

Thermal conductive filler

Aluminum nitride ceramic substrate

Aluminum nitride ceramic structural parts

Product Characteristic Index

Characteristic			N-S-I	N-S-II
Specific Surface Area		m ² /g	2.4-3.0	3.0-3.5
Particle Size (D50)		μm	1.1-1.5	0.8-1.1
Purity	O	wt%	< 0.8	< 0.8
	C	ppm	< 300	< 300
	Ca	ppm	< 200	< 20
	Si	ppm	< 20	< 20
	Fe	ppm	< 10	< 10

Note: Product indicators can be adjusted according to user needs

Aluminum Nitride Granulated Powder

Thermal Conductive Powder

Product Overview

High purity, good fluidity, high sintering activity and high strength

Product Main Application

High thermal conductivity pad

Thermal conductive resin filler

Product Characteristic Index

Characteristics		Granulated powder	Thermal conductive powder
		N-G-DP	N-G-F
Average particle size	μm	60-85	30-80
Bulk density	g/cm^3	0.8-1.0	1.8-2.0
Tapped density	g/cm^3	1.0-1.2	1.9-2.2
Thermal conductivity	$\text{W/m}\cdot\text{k}$	-	> 180

Note: Product indicators can be adjusted according to user needs

5N Highly Active Nano Alumina

Product Overview

Using the company's high-quality aluminum source as raw material, ultrafine monodisperse precursors are synthesized through the synergistic effect of induced nucleating agents and growth inhibitors, and template agents are introduced to shape the nano-scale alumina crystal morphology. After high-temperature treatment through a unique activation roasting process, nano-scale, highly active customized crystalline alumina is obtained.

Product Main Application

Optical polishing , Lithium battery solid electrolyte

Positive and negative electrode spraying , Catalyst carrier

Product Characteristic Index

Product Model	Indicator Parameters			Crystal Form	Specific Surface Area (cm ² /g)	Main impurity content			
	D50 (μm)	Tap Density (g/cm ³)	Pore volume (ml/g)			Si (ppm)	Fe (ppm)	Na (ppm)	Mg (ppm)
A-P-005-G	0.1-0.4	0.2-1.0	0.4-1.0	γ, β, α, three phases, two phases mixed or single phase, content can be customized according to requirements	40-200	≤30	≤20	≤30	≤30