

Nano Aluminium oxide

Nano Aluminium Hydroxide

[Basic Information]

CAS:1344-28-1 nanometer aluminium oxide, molecular formula: Al_2O_3 ,
molecular weight: 101.96

[Technical Specifications]

	Model	Appearance	Content%	Particle size nm	Specific surface area m^2/g	Crystal form	Product features and applications
High purity nano Alumina (γ phase)	JL-L20Y	White powder	99.99	10-20nm	150-200	γ phase	Catalyst carrier
	JL-L30D	White powder	99.99	30nm	150-200	γ phase	Cathode material for lithium batteries
	JL-L50Y	White powder	99.99	50nm	100-150	γ phase	Catalyst carrier
nano hydrogen - oxygen Aluminium oxide	JL- LA20	White powder	99.99	10-20nm	200-300		Catalyst carrier
	JL-LA30D	White powder	99.99	30nm	200-300		Cathode material for lithium batteries
	JL- LA50	White powder	99.99	50nm	150-200		High efficiency flame retardant, catalyst carrier
	JL-LA100	White powder	99.9	100nm	10-20		High-efficiency flame retardant
Aluminum oxide for heat conduction	JL-L500R	White powder	99.99	500nm	6-10	α phase	Plastic rubber heat conduction
	JL-L12D	White powder	99.9	1 to 2 microns	6-10	α phase	Plastic rubber heat conduction
	JL-L15	White powder	99.5	1-5 microns	6-10	α phase	Plastic rubber heat conduction
High purity Nano Alumina (α phase)	JL-L30	White powder	99.99	30nm	10-20	α phase	Ceramic target
	JL-L100	White powder	99.99	100nm	5-10	α phase	Ceramic coating

	JL-L150	White powder	99.99	150nm	5-10	α phase	Ceramic, plastic, rubber
	JL-L200	White powder	99.99	200nm	5-10	α phase	Ceramic, plastic, rubber
	JL-L300	White powder	99.99	300nm	5-10	α phase	Ceramic, plastic, rubber
	JL-L500	White powder	99.99	500nm	5-10	α phase	Battery separator coating
	JL-TT300	White powder	99.99	300nm	6-10	α phase	Transparent ceramic substrate, high-pressure sodium lamp transparent ceramic
	JL-L30H	White powder	99.99	30nm	20-50	α phase	Hydrophilic, paint wear-resistant and hardened
	JL-L30S	White powder	99.99	30nm	10-20	α phase	Lipophilic, paint wear-resistant and hardened
Mixed crystal nano-alumina	JL-L20M	White powder	99.99	10-20nm	1-10	Mixed crystals	Anti-caking agent for powder coatings
	JL-L30M	White powder	99.99	30nm	50	Mixed crystal	Paint affinity refractory materials



High-purity Alumina

[Basic Information]

CAS:1344-28-1 High-purity aluminium oxide, molecular formula: Al2O3,
molecular weight: 101.96

	Model number	Appearance	Content%	Particle size	Specific surface area m2/g	Crystal form	Product features and applications
high-purity alumina	JL-L300N	White powder	99.9999	1-10 μm	5-10	α phase	Laser crystal
	JL-L200N	White powder	99.9999	5-10 μm	5-10	α phase	PTFE additive
high-purity alumina	JL-TTG	White powder	99.999	0.3 μm	5-10	α phase	Transparent ceramics
	JL-L500G	White powder	99.999	0.5 μm	5-10	α phase	Lithium battery separator coating
	JL- L 30G	White powder	99.999	30 nm	10-20	α phase	Military industrial ceramics
	JL-L10GY	White powder	99.999	10 nm	150-200	α phase	Catalyst carrier
	JL-L100G	White powder	99.999	0.2-3 μm	5-10	α phase	Sapphire crystal growth
	JL-L100K	White blocky	99.999	Φ 50 to 60 mm	-----	α phase	Sapphire crystal growth
	JL- L 100Q	White globular	99.999	Φ 0.8-1.5mm	-----	α phase	Sapphire crystal growth
	JL-L100S	White fragments	99.999	Φ 2- 3 cm	-----	α phase	Sapphire crystal growth
	JL-L100D	Polycrys talline column	99.999	Φ 35 to 60 cm	-----	Poly crystal line	Sapphire crystal growth
High-purity alumina polycrys talline sand	JL- DS- 100	White crystal	99.999	100 mesh	-----	Poly crystal line	Special ceramic transparent coatings

	JL- DS- 200	White crystal	99.999	200 mesh	-----	Polycrystal line	Special ceramic transparent coatings
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Xi 'an Putai Environmental Protection Co., LTD



Nano-silica

[Basic Information]

CAS: 14808-60-7; Molecular formula: SiO₂; Molecular weight: 60.08

[Product Overview]

Nano silica is characterized by small particle size, numerous micropores, large specific surface area, high hydroxyl content on the surface, and strong reflection of ultraviolet, visible and infrared light. Especially with the improvement of the product surface treatment process, the degree of soft agglomeration of nano particles is significantly reduced, and the compatibility with organic polymer materials is good, which greatly expands the application field of the product.

【 Technical Specifications 】

Model	Appearance	Content %	Particle size nm	Specific surface area m ² /g	PH	Product features and applications
JL - SP 1 5	White powder	99.8	15	2 50 0-4 0 0	5-7	Small particle size, high content, large specific surface area, high transparency
JL - SP 2 0	White powder	99.8	20	180 - 350	6-8	With nano-titanium dioxide as the crystal core, it is wear-resistant, has good dispersibility, low bulk viscosity and does not thicken
JL - SP 3 0	White powder	99.8	30	200 - 380	5-7	Good dispersibility, high stability, good thixotropy
JL - SP 5 0	White powder	99.8	50	150 - 300	5-7	Good dispersibility, high stability, good thixotropy
JL - SP 3 0 T	White powder	99.8	30	150 - 300	5-7	Good dispersibility can greatly improve the scrub resistance, strength, hardness, etc. of the paint
JL - SP 3 0 S	White powder	99.8	30	150 - 300	----	Lipophilic, used in coatings, plastics, rubbers, inks, etc., reinforcing, toughening, wear-resistant
JL - SP 3 0 H	White powder	99.8	30	150 - 300	5-7	

						Hydrophilic, dispersible in water, widely used in coatings, latex, and paper
JL - SP 3 0 G	White powder	99.8	30	150 - 300	-----	Lipophilic, used in coatings, plastics, rubbers, inks, etc., reinforcing, toughening, wear-resistant
JL - SP 3 0 F	White powder	99.8	30	150 - 300	5-7	It has good dispersibility, high activity, is conducive to sizing, and has the effects of strengthening, abrasion resistance and reducing fuzz

[Recommended dosage] 0.5-5% depending on the test results

【 Packaging specification: 10kg/ bag 】

