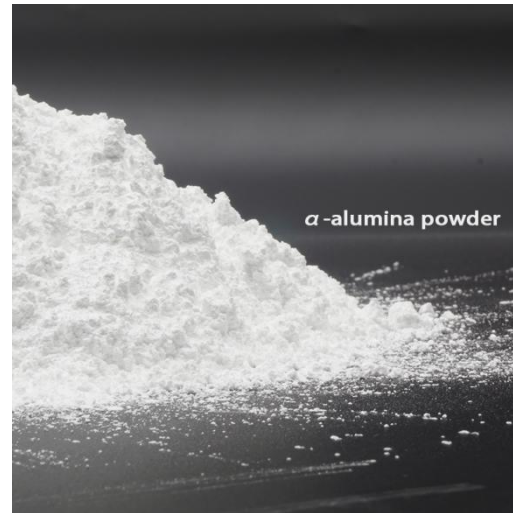


Alumina Powder for Coating

Product Status:White Powder
Specification:0.7 um-2.0 um
Hardness:2100kg/mm²
Molecular Weight:102
Melting Point:2010-2050
Boiling Point:2980
Water Soluble:Insoluble In Water
Density:3.0-3.2g/cm³
Content:99.7%



Zhengzhou Xinli Wear-Resistant Co. Ltd. takes the selected industrial grade alumina powder as the main material to manufacture the alumina powder for coating. It is processed by constant temperature melting through the 170 meters tunnel kiln. The product is heated evenly, the crystal conversion rate is up to over 99.5%.

Advantages

1. High hardness and mechanical strength;
2. Excellent thermal and electrical insulation characteristics;
3. Resists wear, chemically inert, stable at high temperatures.

Specifications

Grains	0.3 μ m, 0.5 μ m, 0.7 μ m, 1.0 μ m, 1.5 μ m, 2.0 μ m, 3.0 μ m, 4.0 μ m, 5.0 μ m						
Specifications	Al ₂ O ₃	Na ₂ O	D10(um)	D50(um)	D90(um)	The original crystal grain	specific surface area(m ² /g)
0.7um	≥99.6	≤0.02	>0.3	0.7-1	<6	0.3	2-6
1.5um	≥99.6	≤0.02	>0.5	1-1.8	<10	0.3	4-7
2.0um	≥99.6	≤0.02	>0.8	2.0-3.0	<17	0.5	<20

Application

- ① Luminescent materials: rare earth trichromatic phosphors used as the main raw material long afterglow phosphor, PDP phosphor, LED phosphor;
- ② Transparent ceramics: used as fluorescent tubes for high pressure sodium lamp, electrically programmable read-only memory window;
- ③ Single Crystal: for the manufacture of ruby, sapphire, yttrium aluminum garnet;
- ④ High strength high alumina ceramic: as the substrate used in the manufacture of integrated circuits, cutting tools and high purity crucible;
- ⑤ Abrasive: manufacture the abrasive of glass, metal, semiconductor and plastic;
- ⑥ Diaphragm: Application for the manufacture of lithium battery separator coating;
- ⑦ Other: as an active coating, adsorbents, catalysts and catalyst supports, vacuum coating, special glass materials, composite materials, resin filler, bio-ceramics etc.