

Alumina Powder for Polishing

Color:White
Shape: Powder
Material:Al₂O₃
Crystal form:Trigonal Crystal System
True density:3.90 g/cm³
Melting point:2250 °C
Maximum operating temperature:1900 °C
Mohs hardness:9.0-9.5
Micro hardness:2000 - 2200 kg/mm²



Alumina powder, also known as aluminium oxide or activated alumina, is a chemical compound that is mainly used to produce aluminium.

Alumina powder is the ideal for aluminium production and others that require hardness and resistance to abrasion or other forms of chemical wear. Alumina powder is also ideal for products that require corrosion and wear resistance, and for products that require high thermal conductivity, such electrically and thermally insulating applications.

Advantages

Through the airflow mill and five layer classification, the grain size distribution is narrow, the grinding efficiency is high, the polishing effect is good, the grinding efficiency is much higher than the soft abrasives such as silica.

Good particle appearance, the surface of the object to be polished has a high degree of smoothness, in the last fine polishing procedure, the effect of the grinding and polishing is better than white corundum powder.

Specifications

Grains	0.3μm, 0.5μm, 0.7μm, 1.0μm, 1.5μm, 2.0μm, 3.0μm, 4.0μm, 5.0μm						
Specifications	Al2O3	Na2O	D10(um)	D50(um)	D90(um)	The original crystal grain	specific surface area(m2/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

Widely used in the grinding and polishing of semiconductors, crystals, aluminum, steel, stainless steel, stone, glass, etc.

Especially suitable for the mirror effect grinding and polishing of stainless steel, copper, other metal materials, and the glass industry.