



Spherical Alumina Powder

With the good technology and strong teamwork, Nextgen Advanced Materials supplies high-quality Spherical alumina powder in good packing.

Product Description

As the professional manufacture, we would like to provide you Nextgen Spherical Alumina Powder. And we will offer you the best after-sale service and timely delivery. Spherical alumina is also called sand alumina, alpha alumina. In the crystal lattice of α -type alumina, oxygen ions are densely packed in hexagons, and Al^{3+} is symmetrically distributed in the octahedral coordination center surrounded by oxygen ions. The lattice energy is large, so the melting point and boiling point are high.

It has the characteristics of corrosion resistance, wear resistance, high temperature resistance, high strength, good insulation, large surface area, high hardness, and oxidation resistance. So Spherical Alumina powder is a kind of powder with high thermal conductivity, good heat resistance, high electrical insulation, high hardness, and low abrasity. The spherical nature of this powder allows for high flowability and high packing density.



Technical data of Spherical Aluminum Oxide

Spherical Alumina Particle size distribution: $D_{50}=2.70$ microns

Spherical Alumina SSA: 1.2 m^2/g

Spherical Alumina specific gravity: 3.5 g/cm^3

Spherical Alumina Electrical conductivity: 32.6 uS/cm

Spherical Alumina PH value: 6.8

Spherical Alumina circularity: 95%

Specification				
Test Items		Unit	Typical value	Test Method
Chemical Analysis	Al ₂ O ₃	%	99.7	ICP
	Na ₂ O	ppm	240	ICP
	SiO ₂	ppm	184	ICP
	Fe ₂ O ₃	ppm	120	ICP
Ionic Impurities	Na ⁺	ppm	56.3	Atomic Absorption Spectrometer
	Cl ⁻	ppm	1.4	Auto Electric Potential Titrator
	Fe ⁺⁺	ppm	17.6	IC