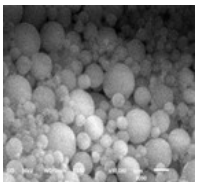
Spherical Silica

Our Product Introduction

Basic Information

- Place of Origin: Wuhan, Hubei, China
- Brand Name: Meilun Materials
- Model Number: SNK
- Minimum Order Quantity: 20kg
- Packaging Details: 20kg/bag，1000kg/pallet
- Supply Ability: 100T/month



Product Specification

- Highlight: **High sphericity silica**, **Spherical silica**, **spherical silica powder**

Our Product Introduction

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Product Description

Spherical silica

Product Introduction

Our company utilizes a chemical process technology route for the mass production of spherical silica (SiO_2) micropowder (referred to as spherical silica micropowder). The product's spheroidization rate, true sphericity, melting rate, and high purity indices meet or exceed those of similar products.

Using spherical silica micropowder as a filler can significantly enhance the rigidity, wear resistance, weather resistance, impact resistance, compressive strength, tensile strength, flame resistance, excellent arc insulation properties, and UV radiation resistance of the products.

Given these characteristics, spherical silica micropowder can be widely applied in large-scale and ultra-large-scale integrated circuit packaging and electronic components, insulation casting of high-voltage electrical devices; it can also be used in advanced rubber tires, silicone rubber, silicon-based substrate materials, high-grade inks, coatings, sealants, adhesives, electronic ceramics, optical quartz glass, enhanced modified engineering plastics, functional plastic films, optical fiber drawing, medical dental materials, cosmetics, and numerous other fields such as chemical medicine and environmental protection. Spherical silica micropowder has become one of the most important and critical basic materials in many high-tech fields.

Characteristics

High purity, with SiO_2 content reaching over 99%
High whiteness, resistant to yellowing
High acid and alkali resistance
High covering power, good gloss, uniform and smooth
Excellent dispersibility, low oil absorption
Uniform particle size distribution

Product types and models

Spherical Silica Powder SNK Series		SNK-I	SNK-II	SNK-III	SNK-IV	SNK-V
D50(um)		10±2	7.0±1	4.0±1	2.5±0.5	1.0±0.5
Sphericity		97%	98%	98%	98%	95%
BET(m^2/g)		1.0-9.5				
density(10^3kg/m^3)		2.21				
Loss on ignition		<0.08				
chemical composition	SiO_2 %	>99%				
	Na(ppm)	<30				
	Fe(ppm)	<50				
	Al(ppm)	<100				
	K (ppm)	<5				
	U (ppb)	<0.3				
Moisture		<0.05%				
PH		5-7				
Conductivity(us/cm)		<10				

Wuhan Meilun New Materials Co., Ltd

+8618062439876 hu1150563785@gmail.com melonmaterials.com

Room 1206-1207, Building 8, Country Garden Yunxi Office, No. 20 Gaokeyuan West Road, Jiufeng Street, East Lake New Technology Development Zone, Wuhan