



Cas No 7631-86-9 Silicon Dioxide White Or Colorless Powder Requires Storage In Dry Place Away From Moisture For Optimal

Basic Information



Product Specification

- EINECS: 238-455-4
- Boilingpoint: 2230 °C
- Origin: Anhui, Huainan
- Purity: 99.9%
- State: Powder
- Transport Package: Kraft Bag With Pallet Or Carton
- Casnumber: 7631-86-9
- Appearance: White Or Colorless Powder
- Highlight: **Silicon Dioxide powder dry storage ,
White Silicon Dioxide moisture protection,
Colorless Silicon Dioxide optimal storage**

Product Description:

Sunhere Amorphous Silicon Dioxide is a high-purity product with a purity level of 99.9%, presented in a fine white or colorless powder form. As a versatile material, this Fumed Silicon Dioxide Powder is widely recognized for its exceptional quality and consistency, making it an ideal choice for a broad range of industrial applications. The trademark Sunhere guarantees that each batch of Amorphous Silicon Dioxide meets stringent quality standards, ensuring reliability and performance in every use.

Amorphous Silicon Dioxide, commonly known as silica, is a non-crystalline form of silicon dioxide that exhibits unique properties compared to its crystalline counterparts. The Sunhere Fumed Silicon Dioxide Powder is characterized by its amorphous structure, which provides excellent flowability, high surface area, and superior dispersibility. These attributes make it an essential additive in many manufacturing processes, including the production of coatings, adhesives, sealants, and composites.

The physical state of this Sunhere Amorphous Silicon Dioxide is a fine powder, which allows for easy handling and incorporation into various formulations. Its white or colorless appearance ensures that it does not alter the color or transparency of the final products, making it highly suitable for applications that require aesthetic clarity or color neutrality. The powder form also facilitates uniform distribution within mixtures, enhancing the performance and stability of the end products.

One of the remarkable features of this Amorphous Silicon Dioxide is its high melting point of 1710 °C. This thermal stability makes the Sunhere Fumed Silicon Dioxide Powder an excellent choice for applications that demand resistance to high temperatures. It can be used in refractory materials, high-performance ceramics, and other heat-resistant products, where maintaining structural integrity under extreme conditions is crucial.

In addition to its thermal properties, the Sunhere Amorphous Silicon Dioxide offers excellent chemical inertness and low reactivity, which are vital for ensuring compatibility with a wide range of chemicals and materials. This makes it an indispensable component in industries such as pharmaceuticals, food processing, cosmetics, and electronics, where purity and chemical stability are paramount. The 99.9% purity level confirms that this Silicon Dioxide product contains minimal impurities, thereby enhancing its suitability for sensitive applications.

The application versatility of Sunhere Fumed Silicon Dioxide Powder extends to its use as a thickening agent, anti-caking agent, and reinforcing filler. Its ability to improve the mechanical properties of composites and polymers is well-documented, providing improved strength, durability, and resistance to wear and tear. Moreover, its high surface area contributes to better interaction with other materials, optimizing the performance of formulations in which it is incorporated.

Sunhere's commitment to quality and innovation is reflected in the production of this Amorphous Silicon Dioxide product. The manufacturing process ensures consistent particle size distribution and purity, resulting in a reliable material that meets the demanding requirements of modern industries. Whether used in industrial manufacturing, research, or specialized applications, this Fumed Silicon Dioxide Powder delivers outstanding results.

In summary, Sunhere Amorphous Silicon Dioxide is a premium-quality, 99.9% pure white or colorless powder with a high melting point of 1710 °C. Its amorphous structure and excellent physical and chemical properties make it a valuable material across various sectors. This Fumed Silicon Dioxide Powder stands out for its thermal stability, chemical inertness, and versatile applications, backed by the trusted Sunhere trademark. It is the ideal choice for anyone seeking a high-performance Silicon Dioxide product for advanced industrial and commercial uses.

Applications:

Sunhere's Fumed Silicon Dioxide Powder, identified by CAS No: 7631-86-9 and HS Code: 28112210, is a versatile and high-quality Amorphous Silicon Dioxide product widely used across various industries. With an impressive boiling point of 2230 °C, this Silicon Dioxide Powder demonstrates excellent thermal stability, making it ideal for applications that require resistance to high temperatures. The product must be stored in a cool, dry place away from moisture to maintain its purity and effectiveness.

In the pharmaceutical and cosmetic industries, Sunhere's Fumed Silicon Dioxide Powder serves as an anti-caking agent, ensuring that powders remain free-flowing and easy to handle. Its high surface area and purity contribute to improved texture and stability in formulations such as powders, tablets, and creams. Additionally, Amorphous Silicon Dioxide is favored for its safety and inertness, allowing it to be used as a carrier or thickening agent in various personal care products.

The food industry also benefits from the inclusion of Sunhere's Silicon Dioxide Powder. It acts as an anti-caking and anti-clumping agent in powdered and granulated food products, helping to maintain product quality during storage and transportation. Its ability to absorb moisture protects food powders from degradation, thereby extending shelf life. Proper storage conditions—cool, dry, and moisture-free—are crucial to preserve these functional properties.

In industrial applications, Sunhere's Fumed Silicon Dioxide Powder is utilized as a reinforcing filler in rubber and plastics, enhancing mechanical strength and durability. Its amorphous nature allows for excellent dispersion and compatibility with polymer matrices, improving the performance of composite materials. The high boiling point of 2230 °C makes it suitable for use in high-temperature processes such as refractory materials and ceramics manufacturing.

Furthermore, Sunhere's Silicon Dioxide Powder is employed in electronics for the production of insulating layers and substrates due to its excellent electrical insulation properties. It also finds application in coatings, adhesives, and sealants, where it improves viscosity and enhances product stability. Across all these scenarios, adherence to recommended storage conditions ensures the longevity and performance of the Silicon Dioxide Powder.

Overall, Sunhere's Fumed Silicon Dioxide Powder and Amorphous Silicon Dioxide products are essential components across pharmaceuticals, food, cosmetics, industrial manufacturing, and electronics. Their unique physical and chemical properties, combined with strict quality standards, make them indispensable materials for a wide range of application occasions and scenarios.

Packing and Shipping:

The Silicon Dioxide product is carefully packaged to ensure safety and maintain product integrity during transit. It is typically packed in moisture-resistant, durable bags or drums, depending on the quantity and customer requirements. For bulk orders, the product may be packed in large sacks or jumbo bags with inner liners to prevent contamination and moisture absorption.

During shipping, the packages are securely loaded and sealed to avoid any spillage or damage. Appropriate labeling, including handling instructions and safety information, is clearly displayed on the packaging. The product is shipped using reliable transportation methods to ensure timely and safe delivery to the customer's specified location.

FAQ:

Q1: What is Silicon Dioxide commonly used for?

A1: Silicon Dioxide is widely used as an anti-caking agent in food products, a desiccant in packaging, and as a raw material in the manufacture of glass, ceramics, and electronics.

Q2: Is Silicon Dioxide safe for consumption?

A2: Yes, Silicon Dioxide is generally recognized as safe (GRAS) by food safety authorities when used in appropriate amounts as an additive in food products.

Q3: What are the physical properties of Silicon Dioxide?

A3: Silicon Dioxide typically appears as a white, odorless, and tasteless powder with a high melting point and excellent chemical stability.

Q4: Can Silicon Dioxide be used in cosmetic products?

A4: Yes, Silicon Dioxide is commonly used in cosmetics as an absorbent, anti-caking agent, and to improve the texture of powders and creams.

Q5: How should Silicon Dioxide be stored?

A5: Silicon Dioxide should be stored in a cool, dry place, away from moisture and incompatible substances, to maintain its quality and prevent clumping.



Anhui Sunhere Pharmaceutical Excipients Co., Ltd.



+86 19955438215



haileeping@sunhere-excipients.com



anhuisunhere.com

ECONOMIC AND TECHNOLOGICAL DEVELOPING ZONE, HUAINAN, ANHUI 232007, CHINA