



Cas No 7631-86-9 Amorphous Silicon Dioxide Powder Suitable for in Food Industry and Nutritional Supplement Formulations

Basic Information



Product Specification

- Transport Package: Kraft Bag With Pallet Or Carton
- Volatile: Not Volatile
- Specification: 10kg
- EINECS: 238-455-4
- Trademark: Sunhere
- Purity: 99.9%
- Cas No: 7631-86-9
- Appearance: White Or Colorless Powder
- Highlight: **food-grade silicon dioxide powder, amorphous silicon dioxide supplement, silicon dioxide for nutritional formulations**

Product Description:

Silicon Dioxide, commonly known as silica, is an essential industrial material with a wide range of applications across various sectors. Our Silicon Dioxide product is offered in a fine powder form, ensuring ease of use and versatility. Sourced from Anhui, Huainan, a region renowned for its high-quality mineral resources, this product stands out due to its exceptional purity and consistent quality. The product is identified by the CAS Number 7631-86-9 and classified under the HS Code 28112210, facilitating international trade and regulatory compliance.

The Silicon Dioxide powder we provide appears as a white or colorless powder, reflecting its high purity and minimal contamination. This attribute is particularly important for industries that demand stringent material specifications. The powder form significantly enhances its usability, allowing for easy blending, dispersion, and integration into various formulations and manufacturing processes.

One of the key highlights of our product is that it is a Fumed Silicon Dioxide Powder. Fumed silica is produced through a high-temperature process that results in extremely fine, amorphous silicon dioxide particles. This process imparts unique properties such as a large surface area, high purity, and excellent dispersibility. These characteristics make fumed silicon dioxide a preferred choice in applications ranging from pharmaceuticals and cosmetics to electronics and coatings.

Our High Purity Silicon Dioxide ensures superior performance in demanding applications. The high purity level minimizes the presence of impurities that could affect the final product's quality or stability. This makes our silicon dioxide powder ideal for use as a thickening agent, anti-caking agent, or reinforcing filler in various industrial processes. It also plays a crucial role in the manufacture of high-quality glass, ceramics, and silicon-based materials.

The origin of our Silicon Dioxide from Anhui, Huainan adds an additional layer of reliability. This region is known for its rich mineral deposits and advanced mining and processing techniques, which contribute to the consistent quality and supply of the product. Our sourcing practices ensure that the silicon dioxide powder meets international standards and customer expectations for both bulk and specialty applications.

In summary, our Silicon Dioxide Powder is a premium-grade material characterized by its white or colorless appearance, powder state, and high purity. Classified under HS Code 28112210 and with CAS No 7631-86-9, it is suitable for a broad range of industrial uses. The fumed silicon dioxide powder variant offers unique physical and chemical properties that enhance its performance in specialized applications. Whether used in pharmaceuticals, electronics, coatings, or construction materials, this high purity silicon dioxide delivers consistent results and reliability.

Choosing our High Purity Silicon Dioxide means investing in a product that meets rigorous quality standards and is backed by a dependable supply chain from Anhui, Huainan. Its excellent dispersibility, purity, and fine powder form make it an indispensable material in modern industrial manufacturing and research. Trust in our Silicon Dioxide Powder to provide the performance and quality needed to advance your products and applications.

Applications:

High Purity Silicon Dioxide, commonly referred to as Silicon Dioxide Powder, is a versatile material widely used across various industries due to its exceptional properties. With a purity level of 99.9%, this Amorphous Silicon Dioxide ensures superior performance and reliability in numerous applications. Manufactured under the renowned Sunhere trademark, this product is known for its consistent quality and stability.

One of the primary application occasions for High Purity Silicon Dioxide is in the electronics industry. It serves as an essential component in the production of semiconductors, integrated circuits, and other microelectronic devices. The non-volatile nature of this Silicon Dioxide Powder makes it ideal for use in environments requiring high thermal stability and electrical insulation. Its amorphous structure contributes to excellent dielectric properties, enhancing the efficiency and longevity of electronic components.

In the pharmaceutical and food industries, Amorphous Silicon Dioxide is frequently used as an anti-caking agent and a flow enhancer in powdered products. Its high purity and inert characteristics ensure that it does not react with other substances, making it safe for use in consumable goods. Additionally, it plays a crucial role in the formulation of tablets and capsules, improving their consistency and stability during manufacturing and storage.

Silicon Dioxide Powder is also extensively utilized in the cosmetics and personal care sectors. It acts as a thickening agent, absorbent, and stabilizer in various formulations such as creams, lotions, and powders. The product's high purity and fine particle size allow it to blend seamlessly into cosmetic products, enhancing texture and performance without causing irritation.

Another important application scenario is in the glass and ceramics industries. High Purity Silicon Dioxide is a fundamental raw material for producing high-quality glass, quartz products, and advanced ceramics. Its excellent thermal and chemical stability contributes to the durability and clarity of glass products, while in ceramics, it improves mechanical strength and resistance to thermal shock.

For optimal performance and to maintain its physical and chemical properties, it is crucial to store the Silicon Dioxide Powder in a cool, dry place away from moisture. Proper storage conditions prevent agglomeration and contamination, ensuring the product retains its high purity and functional characteristics over time.

In summary, the High Purity Silicon Dioxide Powder by Sunhere, with CAS number 7631-86-9, is an indispensable material applicable in electronics, pharmaceuticals, food, cosmetics, glass, and ceramics industries. Its non-volatile nature, amorphous structure, and exceptional purity make it a reliable choice for a wide range of industrial and commercial applications.

Packing and Shipping:

The Silicon Dioxide product is carefully packaged to ensure maximum protection during transportation. It is typically packed in moisture-resistant, sealed bags or containers to prevent contamination and preserve quality. For bulk orders, the product is placed in heavy-duty fiber drums or multi-layer paper bags with inner polyethylene liners.

During shipping, the packages are securely loaded onto pallets and wrapped with stretch film to prevent shifting. The shipments comply with all relevant safety and transportation regulations to guarantee safe delivery. Whether shipped by air, sea, or land, the Silicon Dioxide product arrives in excellent condition, ready for immediate use.

FAQ:

Q: What is Silicon Dioxide used for?

A: Silicon Dioxide is commonly used as an anti-caking agent in food products, a flow agent in powders, and as a raw material in the

manufacture of glass, ceramics, and semiconductors.

Q: Is Silicon Dioxide safe for consumption?

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

Q: What forms of Silicon Dioxide are available?

A: Silicon Dioxide is available in various forms including powdered, fumed, and colloidal forms, depending on the application requirements.

Q: How should Silicon Dioxide be stored?

A: Silicon Dioxide should be stored in a cool, dry place, away from moisture and contaminants to maintain its quality and effectiveness.

Q: Can Silicon Dioxide be used in cosmetic products?

A: Yes, Silicon Dioxide is frequently used in cosmetics and personal care products as an absorbent and anti-caking agent.



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