



Reusable Palladium Selective Acetylene Hydrogenation Catalyst / 3.5MPa Hydrogenation Catalyst

Basic Information

- Place of Origin:
- Brand Name:
- Model Number:



CHINA

KMH-02



Product Specification

Reusability:	Yes
Pressure:	3.5MPa
Particle Size:	3-4.5 Mm
Industry:	Chemical Industry
Pore Volume:	0.85-0.95 Cm3/g
Active Metal:	Palladium
Surface Area:	150-200 M2/g
Support Material:	Alumina
Highlight:	selective acetylene hydrogenation catalyst, reusable acetylene hydrogenation catalyst, reusable selective hydrogenation catalyst

Product Description:

The C2 Selective Hydrogenation Catalyst consists of palladium as the active metal supported on alumina, a highly stable and durable support material. The combination of these materials results in a highly selective, high-performance catalyst that delivers superior results in a range of industrial applications. The catalyst's selectivity of 80% provides a high degree of control over the hydrogenation process and ensures that the desired product is produced efficiently and with minimal waste.

The C2 Selective Hydrogenation Catalyst is designed to be used in front-hydrogenation, which involves the selective hydrogenation of unsaturated hydrocarbons at the front end of a chemical process. This process is often used in the production of petrochemicals, fine chemicals, and other industrial products that require precise control over the hydrogenation process. The C2 Selective Hydrogenation Catalyst provides this control, allowing for the production of high-quality products with minimal waste and at a lower cost than other hydrogenation catalysts.

The C2 Selective Hydrogenation Catalyst is also ideal for post-hydrogenation, which involves the selective hydrogenation of unsaturated hydrocarbons after the main chemical process is complete. This process is often used in the production of fuels, lubricants, and other products that require high-quality, purified hydrocarbons. The C2 Selective Hydrogenation Catalyst is highly efficient in this process, delivering superior results and ensuring that the final product meets the highest standards of quality and purity.

In summary, the C2 Selective Hydrogenation Catalyst is a highly efficient, versatile, and reliable catalyst that is ideal for fronthydrogenation, post-hydrogenation, and other similar industrial processes. With its operating temperature range of 60-100°C, support material of alumina, active metal of palladium, and selectivity of 80%, the catalyst delivers superior results and ensures that the final product is of the highest quality and purity.

Features:

Product Name: C2 Selective Hydrogenation Catalyst

Reusability: Yes

Selectivity: 80%

Surface Area: 150-200 M2/g

Support Material: Alumina

Operating Temperature: 60-100°C

This C2 Selective Hydrogenation Catalyst is a highly selective catalyst that is used for post-hydrogenation of various types of hydrocarbons. With 80% selectivity and a surface area of 150-200 M2/g, it is an effective catalyst that is able to operate at a temperature range of 60-100°C. The catalyst is also reusable, making it a cost-effective solution for post-hydrogenation processes. The support material used is alumina, which provides stability and durability to the catalyst.

Technical Parameters:

Product Attribute	Value
Selective Hydrogenation	C2 hydrogenation
Operating Temperature	60-100°C
Surface Area	150-200 M2/g
Active Metal	Palladium
Selectivity	80%
Reusability	Yes
Particle Size	3-4.5 Mm
Shape	Spherical
Pressure	3.5MPa
Support Material	Alumina
Pore Volume	0.85-0.95 Cm3/g

Applications:

There are various application occasions and scenarios where the C2 Selective Hydrogenation Catalyst can be used. One such scenario is in the production of ethylene, where the catalyst is used to selectively hydrogenate acetylene impurities. The C2 Selective Hydrogenation Catalyst can also be used in the post-hydrogenation of C2 streams from steam crackers, which helps to remove any remaining acetylene or dienes.

Another application scenario for the C2 Selective Hydrogenation Catalyst is in the production of polyethylene, where it is used to selectively hydrogenate the residual vinyl acetylene. This results in a higher quality end product with improved mechanical and physical properties. The catalyst is also used in the production of polypropylene, where it helps to reduce the level of dienes in the propylene stream, leading to a higher quality product.

The C2 Selective Hydrogenation Catalyst is also commonly used in the production of synthetic rubbers, where it helps to reduce the level of impurities in the butadiene stream. In addition, it is used in the post-hydrogenation of butadiene streams from steam crackers, which helps to remove any remaining acetylene or dienes.

In summary, the C2 Selective Hydrogenation Catalyst is a highly versatile product that can be used in a variety of scenarios within the chemical industry. Its selective hydrogenation capabilities, coupled with its ability to perform post-hydrogenation, make it an indispensable tool for the production of high-quality ethylene, polyethylene, polypropylene, and synthetic rubbers.

Customization:

Looking for customized solutions for your hydrogenation process? Our C2 Selective Hydrogenation Catalyst is the answer to your needs. Our hydrogenation catalyst is designed to cater to your front-hydrogenation process needs, specifically for the selective hydrogenation of C2. Our KMH-02 model number ensures that you get the best quality catalyst for your process. Our product is proudly made in China, ensuring quality and reliability.

We understand that every process is unique, and that's why we offer product customization services. Our team of experts can tailor the surface area, selectivity, pressure, and particle size of our catalyst to meet your specific requirements. Our standard surface area ranges from 150-200 M2/g, with a selectivity of 80%. The pressure required for our catalyst is 3.5MPa, with a particle size of 3-4.5 mm. Contact us today to discuss your specific requirements and let us help you achieve the best results for your C2 hydrogenation process.

Packing and Shipping:

Product Packaging:

The C2 Selective Hydrogenation Catalyst will be packaged in sturdy, sealed containers to prevent any damage or contamination during transportation.

The containers will be clearly labeled with the product name, quantity, and any necessary warnings or handling instructions. Shipping:

The C2 Selective Hydrogenation Catalyst will be shipped via a reliable and trusted carrier that specializes in the transportation of chemicals.

The carrier will be instructed to handle the product with care and in accordance with all applicable regulations and safety guidelines. The shipping documents will include all necessary information, such as product name, quantity, and safety data sheets.

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