



Spherical 60-100°C Pd Catalyst 3.5MPa With Enhanced Hydrogenation Selectivity

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: C2 Selective Hydrogenation Catalyst
- Model Number: KMH-02



Product Specification

- Pore Volume: 0.85-0.95 Cm³/g
- Shape: Spherical
- Pressure: 3.5MPa
- Selectivity: 80%
- Support Material: Alumina
- Particle Size: 3-4.5 Mm
- Active Metal: Palladium
- Operating Temperature: 60-100°C
- Highlight: 100°C pd catalyst, pd catalyst 3.5mpa, spherical hydrogenation catalyst

Product Description

Product Description:

One of the key features of this catalyst is its high selectivity, with a selectivity of up to 80%. This means that it can selectively hydrogenate specific C2 molecules while leaving others untouched, resulting in a more efficient post-hydrogenation process with fewer unwanted byproducts.

Another important attribute of the C2 Selective Hydrogenation Catalyst is its reusability. This catalyst can be used multiple times, making it a cost-effective solution for petrochemical companies that require regular post-hydrogenation processes. This also makes it an ideal choice for companies looking to reduce their environmental impact, as the reuse of the catalyst reduces the amount of waste generated during the post-hydrogenation process.

Overall, the C2 Selective Hydrogenation Catalyst is an effective solution for post-hydrogenation processes in the petrochemical industry. Its high selectivity, reusability, and ability to operate at a wide range of temperatures make it a versatile catalyst that can be used in various industrial processes. Whether you are looking to improve the efficiency of your post-hydrogenation process or reduce your environmental impact, the C2 Selective Hydrogenation Catalyst is an ideal choice.

Technical Parameters:

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

This product is suitable for post-hydrogenation and is known for its Selective Hydrogenation capabilities.

Applications:

The C2 Selective Hydrogenation Catalyst is highly versatile and can be used in various industries, including the chemical industry. The catalyst is ideal for post-hydrogenation of C2 hydrogenation. It can be used in the production of ethylene and propylene, which are essential chemicals in several industries.

The C2 Selective Hydrogenation Catalyst is designed to operate at temperatures ranging from 60-100°C. It is easy to use and can be applied in different scenarios. The catalyst can be used in fixed-bed reactors, slurry reactors, or fluidized bed reactors.

The product application occasions for the C2 Selective Hydrogenation Catalyst are numerous. It is commonly used in the petroleum refining industry, where it is used to remove impurities from crude oil. The catalyst is also useful in the production of polyethylene and polypropylene, as it helps to improve the quality of these products.

The C2 Selective Hydrogenation Catalyst is also utilized in the food industry, where it is used to hydrogenate oils and fats. The catalyst is used to produce margarine, shortening, and other food products. It is also used in the pharmaceutical industry to manufacture drugs and other pharmaceutical products.

In conclusion, the C2 Selective Hydrogenation Catalyst is a highly effective and efficient product that can be used in various industries. Its versatility and reusability make it a cost-effective option for businesses. The product's ability to operate at different temperatures and in different reactors makes it an excellent choice for companies that need a reliable hydrogenation catalyst.

Customization:

Brand Name: C2 Selective Hydrogenation Catalyst

Model Number: KMH-02

Place of Origin: CHINA

Active Metal: Palladium

Application: Selective Hydrogenation Of C2

Surface Area: 150-200 M2/g

Industry: Chemical Industry

Support Material: Alumina

Customization Options:

Post-hydrogenation treatment

Front-hydrogenation treatment

Customizable surface area

Customizable support material

Support and Services:

The C2 Selective Hydrogenation Catalyst is a high-performance catalyst designed to selectively hydrogenate acetylene in the presence of ethylene. It provides excellent selectivity, stability, and activity in the process of removing acetylene impurities from ethylene feeds, which is crucial in the production of high-purity polyethylene. Our technical support and services for this product include:

- Catalyst selection and optimization
- Process troubleshooting and optimization
- Technical training and consultation
- Catalyst performance evaluation and analysis
- Catalyst regeneration and recycling

Our team of experienced engineers and scientists are dedicated to providing comprehensive technical support and services to ensure the optimal performance and longevity of your catalyst. Contact us for more information.

Packing and Shipping:

Product Packaging:

1 kg plastic bottles

20 kg steel drums

500 kg flexible intermediate bulk containers (FIBC)

Shipping:

Shipped in accordance with all applicable regulations for hazardous materials

Shipped via ground or air transportation

Shipped in UN-approved packaging

Shelf life: 24 months from the date of manufacture when stored in a cool, dry place



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