



3.5MPa Pressure 150-200 M2/g Surface Area Selective Hydrogenation Catalyst For Optimal Performance

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

- Selectivity: 80%
- Particle Size: 3-4.5 Mm
- Pore Volume: 0.85-0.95 Cm3/g
- Surface Area: 150-200 M2/g
- Shape: Spherical
- Pressure: 3.5MPa
- Active Metal: Palladium
- Support Material: Alumina
- Highlight: **Optimal Performance Selective Hydrogenation Catalyst**
, 150-200 M2/g Selective Hydrogenation Catalyst
, 3.5MPa Selective Hydrogenation Catalyst

Product Description

Product Description:

The C2 Selective Hydrogenation Catalyst is a cutting-edge product designed for the selective hydrogenation of C2 compounds in the chemical industry. This catalyst is specifically formulated to facilitate the front-hydrogenation process, allowing for precise control and high efficiency in converting C2 compounds.

At the core of this catalyst lies the active metal palladium, known for its exceptional catalytic properties in hydrogenation reactions. Palladium serves as a catalyst in the selective hydrogenation process, promoting the desired conversion of C2 compounds while minimizing unwanted byproducts. This results in improved yield and purity of the final product, making it ideal for various applications in the chemical industry.

Supported on a high-quality alumina support material, the C2 Selective Hydrogenation Catalyst offers excellent stability and durability during the hydrogenation process. The alumina support provides a robust framework for the active palladium metal, ensuring optimal performance and longevity of the catalyst. This combination of palladium and alumina support material enhances the overall effectiveness of the catalyst in achieving selective hydrogenation of C2 compounds.

One of the key features of the C2 Selective Hydrogenation Catalyst is its reusability, making it a cost-effective and sustainable solution for chemical processes. The catalyst can be regenerated and reused multiple times without significant loss of activity or selectivity, offering long-term benefits to manufacturers and researchers alike. This reusability aspect contributes to the overall efficiency and eco-friendliness of the catalyst, aligning with modern sustainability standards in the chemical industry.

In the front-hydrogenation stage, the C2 Selective Hydrogenation Catalyst plays a crucial role in initiating the conversion of C2 compounds with precision and selectivity. The catalyst's unique composition and design ensure optimal performance in the selective hydrogenation process, enabling efficient transformation of C2 compounds into valuable products. This front-hydrogenation capability sets the catalyst apart as a reliable and effective tool for chemical industry applications.

Furthermore, the post-hydrogenation phase benefits significantly from the use of the C2 Selective Hydrogenation Catalyst, as it helps in achieving the desired conversion outcomes with high selectivity and efficiency. By leveraging the catalytic properties of palladium and the stability of alumina support material, the catalyst excels in promoting the post-hydrogenation reactions, resulting in enhanced product quality and yield.

In conclusion, the C2 Selective Hydrogenation Catalyst stands out as a top-tier solution for selective hydrogenation of C2 compounds in the chemical industry. With its advanced composition, reusability, and efficiency in front-hydrogenation and post-hydrogenation processes, this catalyst offers a reliable and sustainable option for manufacturers and researchers seeking superior performance in C2 hydrogenation applications.

Features:

Product Name: C2 Selective Hydrogenation Catalyst

Application: Selective Hydrogenation Of C2

Industry: Chemical Industry

Operating Temperature: 60-100°C

Pore Volume: 0.85-0.95 Cm3/g

Surface Area: 150-200 M2/g

Technical Parameters:

Application	Selective Hydrogenation Of C2
Operating Temperature	60-100°C
Pressure	3.5MPa
Support Material	Alumina
Industry	Chemical Industry
Particle Size	3-4.5 Mm
Shape	Spherical
Reusability	Yes
Active Metal	Palladium
Selectivity	80%

Applications:

The C2 Selective Hydrogenation Catalyst (Model KMH-02) is a high-quality catalyst designed for front-hydrogenation processes in various industrial applications. Manufactured in CHINA, this catalyst contains Palladium as the active metal, providing excellent selectivity of 80% in hydrogenation reactions.

With its support material made of Alumina and a pressure tolerance of 3.5MPa, the C2 Selective Hydrogenation Catalyst is suitable for a wide range of product application occasions and scenarios:

1. Petrochemical Industry: The catalyst can be used in refineries for the selective hydrogenation of C2 components in ethylene streams, improving product quality and yield.
2. Chemical Manufacturing: It is ideal for hydrogenating unsaturated compounds in chemical synthesis processes, ensuring high

selectivity and efficiency.

3. Food Industry: The catalyst can be employed in edible oil processing to reduce the level of trans fats through hydrogenation, meeting quality standards and regulatory requirements.

4. Pharmaceutical Sector: In pharmaceutical manufacturing, this catalyst can facilitate the hydrogenation of specific functional groups in drug synthesis, enhancing product purity.

5. Environmental Applications: The catalyst can also be utilized in environmental remediation processes for the hydrogenation of pollutants, contributing to cleaner air and water.

With a pore volume ranging from 0.85 to 0.95 cm³/g, the C2 Selective Hydrogenation Catalyst offers excellent mass transfer properties, allowing for efficient utilization in various reaction conditions.

Customization:

Product Customization Services for the C2 Selective Hydrogenation Catalyst:

Brand Name: C2 Selective Hydrogenation Catalyst

Model Number: KMH-02

Place of Origin: CHINA

Active Metal: Palladium

Application: Selective Hydrogenation Of C2

Operating Temperature: 60-100°C

Shape: Spherical

Support Material: Alumina

Packing and Shipping:

Product: C2 Selective Hydrogenation Catalyst

Description: Our C2 Selective Hydrogenation Catalyst is a high-performance catalyst designed for the selective hydrogenation of C2 compounds in various chemical processes.

Packaging: The catalyst is carefully packaged in a sealed container to prevent any contamination or degradation during shipping and storage.

Shipping: We ensure safe and efficient shipping of the product to your location, following all necessary regulations and guidelines for handling chemical substances.

FAQ:

Q: What is the brand name of this hydrogenation catalyst?

A: The brand name is C2 Selective Hydrogenation Catalyst.

Q: What is the model number of this catalyst?

A: The model number is KMH-02.

Q: Where is this catalyst manufactured?

A: This catalyst is manufactured in CHINA.

Q: What is the primary function of the C2 Selective Hydrogenation Catalyst?

A: The primary function of this catalyst is to selectively hydrogenate C2-containing components in various chemical processes.

Q: Is the C2 Selective Hydrogenation Catalyst suitable for industrial use?

A: Yes, this catalyst is designed for industrial applications where selective hydrogenation of C2 compounds is required.



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