



Spherical Palladium Catalyst For C2 Selective Hydrogenation In Chemical Industry

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

- Support Material: Alumina
- Pressure: 3.5MPa
- Industry: Chemical Industry
- Surface Area: 150-200 M2/g
- Shape: Spherical
- Active Metal: Palladium
- Pore Volume: 0.85-0.95 Cm3/g
- Application: Selective Hydrogenation Of C2
- Highlight: **spherical palladium catalyst,
c2 selective hydrogenation,
spherical selective hydrogenation**

Product Description

Product Description:

The C2 Selective Hydrogenation Catalyst has a spherical shape with a particle size of 3-4.5 mm, making it an excellent choice for fixed-bed reactors. Its surface area of 150-200 m²/g and pore volume of 0.85-0.95 cm³/g provide excellent accessibility to the active sites, ensuring high catalytic activity and selectivity.

One of the key features of this catalyst is its reusability. Unlike other catalysts that lose their activity after a few cycles, the C2 Selective Hydrogenation Catalyst can be used multiple times, making it highly cost-effective.

Our C2 Selective Hydrogenation Catalyst is ideal for use in various industries, including petrochemicals, refineries, and natural gas processing. It is highly effective in removing impurities and improving product quality in C2 streams.

Overall, the C2 Selective Hydrogenation Catalyst is a reliable and efficient solution for selective hydrogenation and front-hydrogenation processes. Its unique properties, including its shape, particle size, surface area, and reusability, make it an excellent choice for various applications.

Features:

Product Name: C2 Selective Hydrogenation Catalyst

Industry: Chemical Industry

Pressure: 3.5MPa

Pore Volume: 0.85-0.95 Cm³/g

Reusability: Yes

Selectivity: 80%

This Hydrogenation Catalyst is perfect for front-hydrogenation in the Chemical Industry. Its high selectivity (80%) and reusability make it a reliable choice for C2 hydrogenation. With a pressure rating of 3.5MPa and a pore volume of 0.85-0.95 Cm³/g, this catalyst is designed for optimal performance.

Technical Parameters:

Parameter	Value
Product Name	C2 Selective Hydrogenation Catalyst
Pressure	3.5 MPa
Support Material	Alumina
Shape	Spherical
Pore Volume	0.85-0.95 Cm ³ /g
Selectivity	80%
Operating Temperature	60-100°C
Active Metal	Palladium
Surface Area	150-200 M ² /g
Industry	Chemical Industry
Particle Size	3-4.5 Mm

Applications:

C2 hydrogenation is a process used in many industries, including the petrochemical, chemical, and pharmaceutical sectors. It involves the addition of hydrogen to C2 molecules, typically ethylene and acetylene, to produce ethane and other useful products. The C2 Selective Hydrogenation Catalyst is ideal for this application, as it can selectively hydrogenate C2 molecules while leaving other compounds untouched.

There are many scenarios in which the C2 Selective Hydrogenation Catalyst can be used. For example, it can be used in the production of polyethylene, which is a widely used plastic. By selectively hydrogenating C2 molecules to produce ethane, the catalyst can improve the quality and yield of the final product. It can also be used in the production of acetylene-based chemicals, such as vinyl acetate and acetaldehyde.

The C2 Selective Hydrogenation Catalyst is also useful in the production of gasoline and other fuels. By selectively hydrogenating C2 molecules in the cracking process, the catalyst can improve the yield and quality of the final product. It can also be used in the production of high-purity hydrogen gas, which is essential in many industrial processes.

In summary, the C2 Selective Hydrogenation Catalyst is a versatile and highly effective product that is ideal for selective hydrogenation of C2 molecules. Its reusability, high selectivity, and ability to withstand high pressures make it a cost-effective and efficient choice for a wide range of industrial applications. Whether you are producing polyethylene, acetylene-based chemicals, or fuels, this catalyst is sure to improve the quality and yield of your final product.

Packing and Shipping:

Product Packaging:

The C2 Selective Hydrogenation Catalyst product will be packaged in a 1 kg metal canister with a screw-on lid.

The canister will be sealed with a tamper-evident label to ensure product quality and safety during shipping.

The canister will be further protected by a sturdy cardboard box during shipping.

Shipping:

The C2 Selective Hydrogenation Catalyst product will be shipped via standard ground shipping.

Shipping will be arranged by the seller and tracked to ensure timely delivery.

Shipping costs will be calculated based on the buyer's location and added to the total purchase price.



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