



## Spherical Palladium Catalyst For Selective C3 Hydrogenation H2 Pd Catalyst

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: C3 Selective Hydrogenation Catalyst
- Model Number: KMH-03



### Product Specification

- Application: Selective Hydrogenation Of C3 Hydrocarbons
- Particle Size: Narrow Particle Size Distribution
- Catalyst Type: Supported Metal Catalyst
- Selectivity: High Selectivity C3 Hydrogenation
- Support Material: Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>)
- Active Metal: Palladium (Pd)
- Shape: Spherical
- Regenerability: Can Be Regenerated Multiple Times Without Significant Loss Of Activity
- Highlight: **spherical palladium catalyst, spherical h2 pd catalyst, c3 palladium catalyst**

## Product Description

### Product Description:

The Selective Hydrogenation process is widely used in the petrochemical industry for the removal of unsaturated hydrocarbons from hydrocarbon streams. The C3 Selective Hydrogenation Catalyst is specifically designed for this purpose, targeting C3 hydrocarbons with exceptional precision and selectivity. This high selectivity is achieved due to the unique composition of the catalyst, which ensures that only the desired C3 hydrocarbons are hydrogenated, while other hydrocarbons remain unaffected.

The C3 Selective Hydrogenation Catalyst is a supported metal catalyst, which means that it has a metal catalyst supported on a high surface area carrier material. This structure ensures that the catalyst is highly active, and the carrier material provides the necessary support to maintain the catalyst's activity. The supported metal catalyst structure also ensures that the catalyst is highly stable and efficient, making it an ideal choice for the selective hydrogenation process.

The C3 Selective Hydrogenation Catalyst has a high surface area, which is essential for efficient catalytic activity. The high surface area ensures that the catalyst has a large number of active sites available for the reaction to occur. This, in turn, leads to higher efficiency and improved performance of the hydrogenation process.

The catalyst is also highly regenerable, which means that it can be regenerated multiple times without significant loss of activity. This is an important feature for catalysts used in the petrochemical industry, as it reduces the need for frequent replacement of the catalyst and ensures continuous and efficient operation of the hydrogenation process.

In summary, the C3 Selective Hydrogenation Catalyst is a high-performance hydrogenation catalyst designed for the selective hydrogenation of C3 hydrocarbons. It is a supported metal catalyst with a high surface area, narrow particle size distribution, and exceptional selectivity. The catalyst is highly efficient and stable, making it an ideal choice for the selective hydrogenation process. Its high regenerability also ensures that it can be used multiple times without significant loss of activity, reducing the need for frequent catalyst replacement.

### Technical Parameters:

Regenerability	Can Be Regenerated Multiple Times Without Significant Loss Of Activity
Shape	Spherical
Operating Temperature	30-35°C
Pore Size	Uniform Pore Size Distribution
Catalyst Type	Supported Metal Catalyst
Support Material	Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )
Activity	High Activity For C3 Hydrogenation
Surface Area	High Surface Area For Efficient Catalytic Activity
Active Metal	Palladium (Pd)
Selectivity	High Selectivity C3 Hydrogenation

### Applications:

The C3 Selective Hydrogenation Catalyst is designed to operate at a temperature range of 30-35°C, making it suitable for a variety of operating conditions. The catalyst has a narrow particle size distribution, which ensures a consistent and uniform reaction rate.

The support material used in this product is Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>), which provides excellent stability and durability. This makes the C3 Selective Hydrogenation Catalyst ideal for use in a wide range of industrial and commercial applications.

The C3 Selective Hydrogenation Catalyst is suitable for use in a variety of occasions and scenarios, including:

Petrochemical processes - The C3 Selective Hydrogenation Catalyst is ideal for use in petrochemical processes where C3 hydrocarbons need to be hydrogenated.

Chemical manufacturing - The C3 Selective Hydrogenation Catalyst is also suitable for use in chemical manufacturing processes where C3 hydrocarbons are used as feedstock.

Industrial applications - The C3 Selective Hydrogenation Catalyst can be used in a variety of industrial applications that require the selective hydrogenation of C3 hydrocarbons.

Overall, the C3 Selective Hydrogenation Catalyst is a high-quality product that provides excellent performance and reliability. Its narrow particle size distribution, high activity for C3 hydrogenation and operating temperature range make it ideal for use in a wide range of applications.

### Customization:

Narrow Particle Size Distribution

Excellent Stability Under Harsh Conditions

Spherical Shape

Uniform Pore Size Distribution

Application for Selective Hydrogenation of C3 Hydrocarbons

Our C3 Selective Hydrogenation Catalyst is the perfect solution for your MAPD Hydrogenation needs. Contact us today to discuss your customized requirements.

## Support and Services:

Our C3 Selective Hydrogenation Catalyst provides superior selectivity and activity in the production of propylene by selectively removing acetylene from the C3 stream. It is a highly efficient solution that offers stable performance, extended catalyst life, and reduced maintenance costs. Our product technical support and services include:

Technical consultation and troubleshooting

Catalyst loading and unloading services

Catalyst regeneration and rejuvenation services

Performance evaluation and optimization services

Catalyst inventory management and tracking services

Our team of experienced professionals is dedicated to providing exceptional technical support and services to ensure the optimal performance of your C3 Selective Hydrogenation Catalyst.

## Packing and Shipping:

### Product Packaging:

The C3 Selective Hydrogenation Catalyst product is packaged in 25 kg drums.

The drums are securely sealed to prevent any contamination or damage during transportation.

The product label includes all necessary information such as product name, batch number, and expiration date.

### Shipping:

The C3 Selective Hydrogenation Catalyst product is shipped in accordance with all applicable regulations and guidelines.

Shipping is done by a reputable carrier with experience in handling chemical products.

The product is always packed and labeled in compliance with all international shipping regulations.

Customers can track their shipment and receive updates on delivery status.



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