



## High Selectivity Al<sub>2</sub>O<sub>3</sub> Palladium Pd Catalyst for C<sub>3</sub> Hydrogenation Process

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

- Catalyst Type: Supported Metal Catalyst
- Support Material: Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>)
- Activity: High Activity For C<sub>3</sub> Hydrogenation
- Particle Size: Narrow Particle Size Distribution
- Application: Selective Hydrogenation Of C<sub>3</sub> Hydrocarbons
- Selectivity: High Selectivity C<sub>3</sub> Hydrogenation
- Pore Size: Uniform Pore Size Distribution
- Operating Temperature: 30-35°C
- Highlight: **al<sub>2</sub>o<sub>3</sub> palladium pd, al<sub>2</sub>o<sub>3</sub> pd catalyst, c<sub>3</sub> pd catalyst**

## Product Description

### Product Description:

The C3 Selective Hydrogenation Catalyst is also known for its uniform pore size distribution. This means that the catalyst is able to provide consistent performance over a wide range of operating conditions, making it a reliable choice for many different applications. Another important feature of this catalyst is its regenerability. The C3 Selective Hydrogenation Catalyst can be regenerated multiple times without significant loss of activity, which can help to reduce costs and improve overall efficiency. This makes it a popular choice for many different industrial processes.

The C3 Selective Hydrogenation Catalyst is based on MAPD, which is a proprietary technology that has been developed by our team of experts. This technology allows us to produce a catalyst that is highly selective for C3 hydrogenation, while also providing excellent performance and durability.

Overall, the C3 Selective Hydrogenation Catalyst is a highly effective and reliable choice for the selective hydrogenation of C3 hydrocarbons. Its high selectivity, uniform pore size distribution, and regenerability make it an ideal choice for many different industrial processes. Whether you are operating in the petrochemical, chemical, or refining industries, the C3 Selective Hydrogenation Catalyst is a great choice for your application.

### Technical Parameters:

Pore Size	Uniform Pore Size Distribution
Operating Temperature	30-35°C
Regenerability	Can Be Regenerated Multiple Times Without Significant Loss Of Activity
Catalyst Type	Supported Metal Catalyst
Stability	Excellent Stability Under Harsh Conditions
Active Metal	Palladium (Pd)
Support Material	Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )
Application	Selective Hydrogenation Of C3 Hydrocarbons
Particle Size	Narrow Particle Size Distribution
Shape	Spherical

### Applications:

One of the primary application occasions for the C3 Selective Hydrogenation Catalyst is in the production of propylene. This catalyst has high propene selectivity, which makes it well-suited for use in the production of polypropylene and other propylene-based products. The selective hydrogenation process allows for the removal of impurities such as acetylene and dienes, resulting in a high-purity propylene stream.

Another application scenario for this catalyst is in the petrochemical industry, where it can be used to selectively hydrogenate C3 hydrocarbons in refinery streams. This can help to improve the quality of the end products, reduce waste, and increase the efficiency of the refining process.

Additionally, the C3 Selective Hydrogenation Catalyst can be used in the production of specialty chemicals such as butadiene and isoprene. The high selectivity for C3 hydrogenation ensures that the desired product is obtained with minimal by-products.

In summary, the C3 Selective Hydrogenation Catalyst is a versatile and effective catalyst product for selective hydrogenation of C3 hydrocarbons. Its high activity, selectivity, and propene selectivity make it ideal for various application occasions and scenarios in the petrochemical and chemical industries.

### Customization:

Product Customization Services for the C3 Selective Hydrogenation Catalyst:

Brand Name: **C3 Selective Hydrogenation Catalyst**

Model Number: **KMH-03**

Place of Origin: **CHINA**

Activity: High Activity For C3 Hydrogenation

Selectivity: High Selectivity C3 Hydrogenation

Surface Area: High Surface Area For Efficient Catalytic Activity

Active Metal: Palladium (Pd)

Stability: Excellent Stability Under Harsh Conditions

Our customization services include:

Adjusting MAPD (mean average particle diameter) to meet specific requirements

Optimizing MAPD for improved catalytic performance

Customizing propene selectivity for specific applications

## Support and Services:

The C3 Selective Hydrogenation Catalyst is a high-performance catalyst specifically designed for the selective hydrogenation of butadiene in C3 streams. It has excellent selectivity, activity, and stability, ensuring a longer cycle length and reducing the need for frequent catalyst replacement. Our technical support and services for this product include:

Expert technical consultation

On-site catalyst testing and optimization

Customized catalyst solutions

Technical training and support

Catalyst regeneration and recycling services

Our team of experienced engineers and scientists are dedicated to providing superior technical support and services to our customers, ensuring optimal performance and maximum return on investment for the C3 Selective Hydrogenation Catalyst.

## Packing and Shipping:

Product Packaging:

The C3 Selective Hydrogenation Catalyst product will be packaged in a 1 liter glass bottle with a secure screw cap. The bottle will be labeled with the product name, company logo, and relevant product information, including the batch number and expiration date.

Shipping:

The C3 Selective Hydrogenation Catalyst product will be shipped in a sturdy cardboard box with appropriate cushioning to prevent breakage during transit. The box will also be labeled with the product name, company logo, and relevant shipping information, including the destination address and tracking number.



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