



Pore Volume Alumina Silica Alumina Supported Pd Pt Ni Or Co C4/C5 Hydrogenation Catalyst

Our Product Introduction

for more products please visit us on jyalumcatalyst.com

Basic Information

- Place of Origin: CHINA
- Brand Name: C4/C5 Hydrogenation Catalyst
- Model Number: KMH-04/05



Product Specification

- Surface Area: $\geq 150 \text{ M}^2/\text{g}$
- Support Material Content: $\geq 90 \text{ Wt}\%$
- Active Component: Pd, Pt, Ni, Or Co
- Hydrogenation Selectivity: $\geq 95\%$
- Operating Pressure: 1-10 MPa
- Support Material: Alumina Or Silica-alumina
- Pore Diameter: 30-80 Å
- Pore Volume: $\geq 0.35 \text{ ML/g}$
- Highlight: **co c4/c5 hydrogenation catalyst,**
pd silica alumina,
pd c4/c5 hydrogenation catalyst

Product Description

Product Description:

The catalyst features a high pore diameter, ranging from 30-80 Å, which facilitates efficient mass transfer and high activity. The high surface area of $\geq 150 \text{ M2/g}$ ensures maximum exposure of the active component and enhances the catalytic efficiency. The support material content of the C4/C5 Hydrogenation Catalyst is $\geq 90 \text{ wt\%}$, making it highly stable and resistant to deactivation. The catalyst's stable structure ensures long-term performance, even under harsh operating conditions. The C4/C5 Hydrogenation Catalyst is ideal for use in selective hydrogenation applications, where high selectivity and activity are required. Its superior performance allows for efficient recovery of butene from C4/C5 alkyne streams, making it a cost-effective solution for industrial processes.

Technical Parameters:

Technical Parameter Value Bulk Density 0.65-0.75 G/cm³ Surface Area $\geq 150 \text{ M2/g}$ Catalyst Lifespan $\geq 3 \text{ Years}$ Support Material Alumina Or Silica-alumina Pore Diameter 30-80 Å Active Component Loading $\geq 2 \text{ Wt\%}$ Pore Volume $\geq 0.35 \text{ ML/g}$ Support Material Content $\geq 90 \text{ Wt\%}$ Operating Pressure 1-10 MPa Appearance Gray Or Black Cylindrical Particles

Applications:

Saturation Hydrogenation: The C4/C5 Hydrogenation Catalyst is primarily used for saturation hydrogenation, which involves the addition of hydrogen to unsaturated hydrocarbons. This process helps to improve the quality of various petroleum products, including gasoline, jet fuel, and diesel. The KMH-04/05 model number of this product, which is produced in CHINA, contains a support material content of $\geq 90 \text{ Wt\%}$ and has an appearance of gray or black cylindrical particles with a particle size of 1.5-3.0 mm and a bulk density of 0.65-0.75 g/cm³.

Butadiene Removal: In addition to saturation hydrogenation, the C4/C5 Hydrogenation Catalyst is also effective in removing butadiene from various hydrocarbon streams. Butadiene is a highly reactive chemical that can cause issues with the quality of the final product. The operating temperature of this catalyst is between 150-250°C, making it an ideal choice for various scenarios.

C4/C5 Applications: The C4/C5 Hydrogenation Catalyst is commonly used in refineries and other industrial settings where C4/C5 hydrocarbons are present. These hydrocarbons are typically found in various petroleum products, including gasoline and diesel. This catalyst is designed to remove impurities from these hydrocarbons, which helps to improve their quality and performance. In conclusion, the C4/C5 Hydrogenation Catalyst is a versatile and highly effective product that is ideal for a variety of applications. Whether you need to remove butadiene from a hydrocarbon stream or improve the quality of petroleum products, this catalyst is an excellent choice. With its high support material content, gray or black cylindrical particles appearance, particle size of 1.5-3.0 mm, bulk density of 0.65-0.75 g/cm³, and operating temperature range of 150-250°C, the C4/C5 Hydrogenation Catalyst is a reliable and efficient solution for all your industrial needs.

Customization:

Customized branding with the C4/C5 Hydrogenation Catalyst product and the origin of the product from CHINA.
Operating temperature customization based on customer's requirements (150-250°C).
Bulk density customization based on customer's requirements (0.65-0.75 G/cm³).
Support material customization with either alumina or silica-alumina.
Surface area customization with a minimum of 150 M2/g.
Operating pressure customization based on customer's requirements (1-10 MPa).
Effective butadiene removal from the C4/C5 stream.

Support and Services:

The C4/C5 Hydrogenation Catalyst is a high-performance catalyst used in the oil and gas industry for the selective hydrogenation of C4/C5 olefins. Our technical support and services for this product include:
Expert consultation on catalyst performance and selection
Custom catalyst formulation and optimization
On-site technical assistance and troubleshooting
Catalyst regeneration services
Training and education on catalyst handling and maintenance
Our team of experienced professionals is dedicated to ensuring the optimal performance of your C4/C5 Hydrogenation Catalyst, and we are committed to providing exceptional support and service throughout the entire catalyst life cycle.

Packing and Shipping:

Product Packaging:

The C4/C5 Hydrogenation Catalyst is packaged in high-quality, durable containers to ensure safe delivery to our customers. The catalyst is carefully packed in airtight containers to prevent any contamination or damage during transportation. The packaging is also designed to be easy to handle and store.

Shipping:

We offer fast and reliable shipping options for our C4/C5 Hydrogenation Catalyst product. Our shipping team is trained to handle the catalyst with care to prevent any damage during transit. We use trusted shipping carriers to ensure timely delivery of the product to our customers. We also provide tracking information for all orders so that customers can track the progress of their shipment.



Qingdao Junyao Catalyst New Material Technology Co., Ltd.



+8618254266810



jycat@qdjunyao.com.cn



jyalumcatalyst.com