



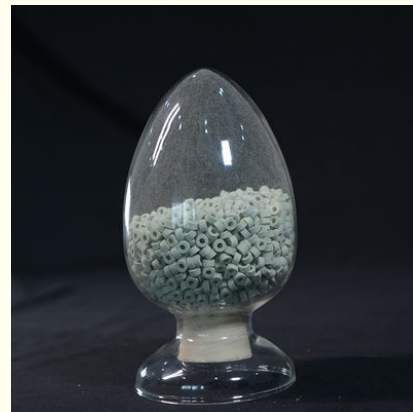
Alumina Supported C4/C5 Nickel Hydrogenation Catalyst ≥ 0.35 ML/G Pore Volume

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

- Support Material: Alumina Or Silica-alumina
- Pore Volume: ≥ 0.35 ML/g
- Bulk Density: 0.65-0.75 G/cm³
- Support Material Content: ≥ 90 Wt%
- Hydrogenation Selectivity: $\geq 95\%$
- Appearance: Gray Or Black Cylindrical Particles
- Particle Size: 1.5-3.0 Mm
- Catalyst Lifespan: ≥ 3 Years
- Highlight: **c5 nickel hydrogenation catalyst,**
c4 nickel hydrogenation catalyst,
c4 hydrogenation of alkenes nickel catalyst

Product Description

Product Description:

The C4/C5 Hydrogenation Catalyst is widely used in the manufacturing and refining of petroleum products, such as naphtha, gasoline, and diesel fuel. This catalyst is highly effective in removing butadiene from C4/C5 streams, which is a crucial step in the refining process. Butadiene is a highly reactive and volatile compound that can cause corrosion and damage to equipment if left unchecked. The C4/C5 Hydrogenation Catalyst works by breaking down the butadiene molecules into less reactive compounds, making them easier to remove from the stream.

The C4/C5 Hydrogenation Catalyst is made up of a mixture of metals, including nickel, palladium, and chromium. These metals act as the active components in the catalyst, providing the necessary energy and surface area for hydrogenation reactions to occur. The high surface area of the catalyst allows for maximum contact between the butadiene molecules and the active components, resulting in a more efficient reaction and greater butadiene removal.

Overall, the C4/C5 Hydrogenation Catalyst is an essential tool for any refinery or petrochemical plant looking to remove butadiene from C4/C5 streams. With its high surface area, active component loading, and efficient particle size, this catalyst provides excellent results in hydrogenation catalysis. If you're looking for a reliable and effective solution for butadiene removal, the C4/C5 Hydrogenation Catalyst is the perfect choice.

Technical Parameters:

Technical Parameter	Value
Surface Area	≥ 150 M2/g
Hydrogenation Selectivity	≥ 95%
Operating Temperature	150-250°C
Active Component Loading	≥ 2 Wt%
Support Material Content	≥ 90 Wt%
Pore Diameter	30-80 Å
Appearance	Gray Or Black Cylindrical Particles
Bulk Density	0.65-0.75 G/cm3
Operating Pressure	1-10 MPa
Pore Volume	≥ 0.35 ML/g

This C4/C5 hydrogenation catalyst product is suitable for butadiene removal and alkyne to recover butene.

Applications:

The C4/C5 Hydrogenation Catalyst is specifically designed for butadiene removal and is highly effective in this regard. With a bulk density of 0.65-0.75 G/cm3, this catalyst has a longer lifespan and can last for over three years, making it a cost-effective solution for businesses looking to optimize their processes.

The active components used in this catalyst are Pd, Pt, Ni, or Co, which are highly efficient and effective in removing butadiene from C4/C5 streams. This ensures that the final product is of high quality and meets industry standards.

The C4/C5 Hydrogenation Catalyst uses support materials such as alumina or silica-alumina, which ensures that the catalyst has good mechanical strength and stability. Additionally, the pore diameter of this catalyst ranges from 30-80 Å, which makes it highly effective in removing impurities and producing high-quality products.

Overall, the C4/C5 Hydrogenation Catalyst is an excellent product for various industrial applications. Its ability to convert alkyne to recover butene, remove butadiene from C4/C5 streams, and its long lifespan make it a valuable addition to any industrial process.

Customization:

Our product customization services for the C4/C5 Hydrogenation Catalyst include:

Brand Name: C4/C5 Hydrogenation Catalyst

Model Number: KMH-04/05

Place of Origin: CHINA

Bulk Density: 0.65-0.75 G/cm3

Support Material Content: ≥ 90 Wt%

Active Component: Pd, Pt, Ni, Or Co

Operating Temperature: 150-250°C

Hydrogenation Selectivity: ≥ 95%

Our saturation hydrogenation catalysts are perfect for converting alkynes to recover butene. We offer customization services to ensure that our catalysts meet your specific needs and requirements. Contact us today to learn more about our product customization options.

Support and Services:

The C4/C5 Hydrogenation Catalyst is a highly efficient catalyst used in the petrochemical industry for the selective hydrogenation of unsaturated C4/C5 hydrocarbons. The product is designed to provide superior performance and long-term stability, even under challenging process conditions.

Our technical support and services for the C4/C5 Hydrogenation Catalyst include:

Process optimization and catalyst selection guidance

On-site technical support and troubleshooting

Catalyst performance monitoring and analysis

Catalyst regeneration and recycling services

Custom catalyst design and development

Our team of experienced professionals is dedicated to ensuring the success of our customers' operations and delivering the highest quality products and services. Contact us to learn more about our C4/C5 Hydrogenation Catalyst and how we can help optimize your process.

Packing and Shipping:

Product Packaging:

25kg drum

50kg drum

1000kg super sack

Shipping:

Ships in 20ft or 40ft containers

Ships via road, rail, or sea

Shipping point: (insert location)



Qingdao Junyao Catalyst New Material Technology Co., Ltd.



+8618254266810



jycat@qdjunyao.com.cn



jyalumcatalyst.com