



Experience Unmatched Efficiency With C4/C5 Hydrogenation Catalyst For Enhanced Chemical Production

Our Product Introduction

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Basic Information

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



Product Specification

- Support Material Content: ≥ 90 Wt%
- Active Component: Pd, Pt, Ni, Or Co
- Appearance: Gray Or Black Cylindrical Particles
- Pore Diameter: 30-80 Å
- Hydrogenation Selectivity: $\geq 95\%$
- Catalyst Lifespan: ≥ 3 Years
- Pore Volume: ≥ 0.35 ML/g
- Surface Area: ≥ 150 M²/g
- Highlight: **C4/C5 Selective Hydrogenation, C4-C5 Hydrogenation, Hydrogenation Catalysts for Ethylene Producers**

Product Description

Product Description:

The C4/C5 Hydrogenation Catalyst is a specialized catalyst designed for the saturation hydrogenation of C4 and C5 hydrocarbon streams. This catalyst plays a crucial role in the conversion of alkynes to recover butene, a valuable component in various industrial processes.

Operating at pressures ranging from 1 to 10 MPa, this catalyst offers high performance in hydrogenation reactions. Its support material is carefully selected to ensure optimal efficiency, with options including Alumina or Silica-alumina.

With a pore volume of at least 0.35 ML/g and a surface area of 150 M2/g or higher, the C4/C5 Hydrogenation Catalyst provides excellent accessibility and reactivity for the target hydrocarbons. The catalyst is designed as gray or black cylindrical particles, making it easily identifiable and suitable for integration into existing setups.

Features:

Product Name: C4/C5 Hydrogenation Catalyst

Operating Pressure: 1-10 MPa

Active Component Loading: ≥ 2 Wt%

Bulk Density: 0.65-0.75 G/cm3

Particle Size: 1.5-3.0 Mm

Catalyst Lifespan: ≥ 3 Years

Technical Parameters:

Support Material	Alumina Or Silica-alumina
Operating Pressure	1-10 MPa
Pore Diameter	30-80 Å
Active Component Loading	≥ 2 Wt%
Appearance	Gray Or Black Cylindrical Particles
Catalyst Lifespan	≥ 3 Years
Operating Temperature	150-250°C
Bulk Density	0.65-0.75 G/cm3
Pore Volume	≥ 0.35 ML/g
Surface Area	≥ 150 M2/g

Applications:

The **C4/C5 Hydrogenation Catalyst (Model: KMH-04/05)** is a high-quality product originating from **China**. This catalyst is designed as gray or black cylindrical particles with a particle size ranging from 1.5 to 3.0 mm, ensuring optimal performance in various applications. With a lifespan of at least **3 years**, the C4/C5 Hydrogenation Catalyst (KMH-04/05) offers long-term reliability and cost-effectiveness. Its hydrogenation selectivity of $\geq 95\%$ makes it ideal for applications requiring precise control and efficiency.

The C4/C5 Hydrogenation Catalyst is particularly effective in scenarios that involve **butadiene removal** and **saturation hydrogenation** processes. Its operating temperature range of **150-250°C** ensures versatility and adaptability in various industrial settings.

Common product application occasions for the C4/C5 Hydrogenation Catalyst include but are not limited to:

Refinery operations for the removal of butadiene and other impurities

Petrochemical processes requiring precise hydrogenation and selectivity

Chemical synthesis applications where controlled saturation is critical

Scenarios where the C4/C5 Hydrogenation Catalyst excels include:

Hydrogenation of C4/C5 streams in refineries to improve product quality

Selective hydrogenation reactions in chemical manufacturing for specific product outcomes

Hydrogenation processes in the pharmaceutical industry for controlled synthesis

Customization:

Product Customization Services for the C4/C5 Hydrogenation Catalyst:

Brand Name: C4/C5 Hydrogenation Catalyst

Model Number: KMH-04/05

Place of Origin: CHINA

Surface Area: ≥ 150 M2/g

Active Component: Pd, Pt, Ni, Or Co

Operating Pressure: 1-10 MPa

Bulk Density: 0.65-0.75 G/cm³
Support Material: Alumina Or Silica-alumina
Keywords: saturation hydrogenation catalysts, C4/C5, butadiene removal

Packing and Shipping:

Product Name: C4/C5 Hydrogenation Catalyst

Description: Our C4/C5 Hydrogenation Catalyst is a high-performance catalyst designed for efficient hydrogenation processes in the petrochemical industry.

Package Includes: - 1 bottle of C4/C5 Hydrogenation Catalyst - Safety Data Sheet - Usage instructions

Shipping Information: - Shipping Method: Ground Shipping - Shipping Cost: Calculated at checkout - Estimated Delivery Time: 3-5 business days

FAQ:

Q: What is the brand name of this hydrogenation catalyst product?

A: The brand name is C4/C5 Hydrogenation Catalyst.

Q: What is the model number of this catalyst?

A: The model number is KMH-04/05.

Q: Where is this hydrogenation catalyst manufactured?

A: This catalyst is manufactured in China.

Q: What is the primary application of the C4/C5 Hydrogenation Catalyst?

A: The primary application of this catalyst is in the hydrogenation of C4 and C5 hydrocarbons.

Q: Can this catalyst be used for industrial-scale hydrogenation processes?

A: Yes, the C4/C5 Hydrogenation Catalyst is suitable for industrial-scale hydrogenation processes.



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