



Long-Lasting C4/C5 Hydrogenation Catalyst With Bulk Density 0.65-0.75 G/Cm3 And Operating Temperature Range Of 150-250°C

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

- Operating Temperature: 150-250°C
- Appearance: Gray Or Black Cylindrical Particles
- Pore Diameter: 30-80 Å
- Pore Volume: ≥ 0.35 ML/g
- Particle Size: 1.5-3.0 Mm
- Active Component: Pd, Pt, Ni, Or Co
- Support Material: Alumina Or Silica-alumina
- Bulk Density: 0.65-0.75 G/cm3
- Highlight: **C4/C5 Selective Hydrogenation, C4-C5 Hydrogenation, Hydrogenation Catalysts for Ethylene Producers**

Product Description

Product Description:

The C4/C5 Hydrogenation Catalyst is a premium product designed for efficient and effective alkyne to recover butene conversion in industrial processes. This catalyst offers exceptional performance due to its unique attributes, making it a top choice for saturation hydrogenation applications.

With a pore diameter ranging from 30 to 80 Å, the C4/C5 Hydrogenation Catalyst provides ample space for molecules to interact and undergo the necessary chemical transformations. This optimal pore size ensures high efficiency in the conversion process, resulting in excellent yields of the desired product.

The catalyst boasts a long lifespan of at least 3 years, making it a durable and cost-effective solution for continuous industrial use. Its robust nature allows for sustained performance over an extended period, reducing the need for frequent catalyst replacement and maintenance.

Furthermore, the C4/C5 Hydrogenation Catalyst offers a surface area of at least 150 M²/g, providing a large active area for catalytic reactions to take place. This high surface area enhances the catalyst's reactivity and efficiency, leading to improved conversion rates and product quality.

Additionally, the catalyst features a pore volume of at least 0.35 ML/g, allowing for sufficient adsorption and desorption of reactant molecules within the catalyst structure. This attribute contributes to the catalyst's high activity and selectivity in promoting the desired hydrogenation reactions.

Operating at pressures ranging from 1 to 10 MPa, the C4/C5 Hydrogenation Catalyst is well-suited for a wide range of industrial hydrogenation processes. Its versatility in handling varying pressure conditions makes it a versatile and reliable choice for different applications in the chemical industry.

In conclusion, the C4/C5 Hydrogenation Catalyst stands out as a top-tier product for alkyne to recover butene conversion, offering exceptional performance, longevity, and efficiency. Its superior attributes, including optimal pore size, extended lifespan, high surface area, significant pore volume, and versatile operating pressure range, make it a preferred choice for saturation hydrogenation catalysts in industrial settings.

Features:

Product Name: C4/C5 Hydrogenation Catalyst

Active Component: Pd, Pt, Ni, Or Co

Operating Pressure: 1-10 MPa

Particle Size: 1.5-3.0 Mm

Appearance: Gray Or Black Cylindrical Particles

Pore Volume: ≥ 0.35 ML/g

Technical Parameters:

Pore Diameter	30-80 Å
Particle Size	1.5-3.0 Mm
Operating Pressure	1-10 MPa
Bulk Density	0.65-0.75 G/cm ³
Pore Volume	≥ 0.35 ML/g
Operating Temperature	150-250°C
Support Material Content	≥ 90 Wt%
Hydrogenation Selectivity	≥ 95%
Support Material	Alumina Or Silica-alumina
Appearance	Gray Or Black Cylindrical Particles

Applications:

The **C4/C5 Hydrogenation Catalyst** (Model Number: **KMH-04/05**) is a high-quality product originating from **China**. This catalyst is specifically designed for hydrogenation applications, offering exceptional hydrogenation selectivity of ≥ **95%** and active component loading of ≥ **2 Wt%**.

With a catalyst lifespan of ≥ **3 years** and a bulk density ranging from **0.65-0.75 g/cm³**, the C4/C5 Hydrogenation Catalyst is a reliable choice for various hydrogenation scenarios.

The appearance of this catalyst is characterized by gray or black cylindrical particles, making it easily recognizable in industrial settings.

Product Application Occasions and Scenarios:

- Saturation Hydrogenation Catalysts:** The C4/C5 Hydrogenation Catalyst is ideal for saturation hydrogenation processes in industries such as petrochemicals, pharmaceuticals, and food processing. Its high selectivity ensures efficient conversion rates and superior product quality.
- C4/C5 Hydrogenation:** This catalyst is specifically tailored for C4/C5 hydrogenation reactions, offering outstanding performance and consistency. It can be used in refineries, chemical plants, and other facilities requiring precise hydrogenation control.
- Chemical Manufacturing:** The C4/C5 Hydrogenation Catalyst finds extensive use in the production of various chemicals, including

polymers, solvents, and intermediates. Its longevity and stability make it a cost-effective choice for continuous manufacturing processes.

4. Industrial Catalytic Reactions: Whether in batch processes or continuous operations, the C4/C5 Hydrogenation Catalyst excels in catalyzing hydrogenation reactions with high efficiency and selectivity. It is a versatile solution for diverse industrial catalytic scenarios. Overall, the C4/C5 Hydrogenation Catalyst is a premier choice for businesses seeking a reliable, long-lasting catalyst for their hydrogenation needs. Its exceptional performance attributes and consistent quality make it a valuable asset in various industrial applications.

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

Support Material: Alumina Or Silica-alumina

Support Material Content: ≥ 90 Wt%

Catalyst Lifespan: ≥ 3 Years

Pore Volume: ≥ 0.35 ML/g

Operating Temperature: 150-250°C

Packing and Shipping:

Product: C4/C5 Hydrogenation Catalyst

Description: High-quality catalyst for efficient hydrogenation of C4 and C5 hydrocarbons.

Packaging: The catalyst is securely packed in a sealed container to prevent contamination.

Shipping: The product will be shipped in a sturdy box to ensure safe delivery to your location.

FAQ:

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

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 catalyst manufactured?

A: This catalyst is manufactured in CHINA.

Q: What type of hydrocarbons can be effectively hydrogenated using this catalyst?

A: The C4/C5 Hydrogenation Catalyst is designed to effectively hydrogenate C4 and C5 hydrocarbons.

Q: What are the key features of this catalyst?

A: The key features include high catalytic activity, durability, and efficiency in hydrogenating C4 and C5 hydrocarbons.



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