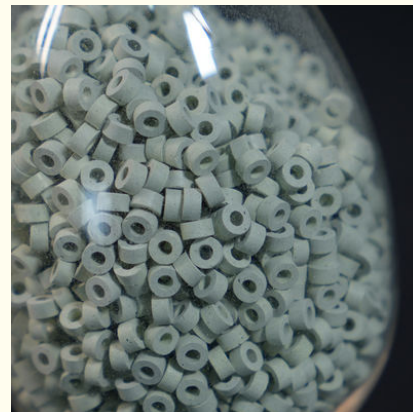




High Pore Volume ≥ 0.35 ML/G Alkyne To Recover Butene Gray Or Black Cylindrical Particles

Basic Information

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



Product Specification

- Catalyst Lifespan: ≥ 3 Years
- Operating Temperature: 150-250°C
- Hydrogenation Selectivity: $\geq 95\%$
- Particle Size: 1.5-3.0 Mm
- Pore Volume: ≥ 0.35 ML/g
- Bulk Density: 0.65-0.75 G/cm³
- Support Material: Alumina Or Silica-alumina
- Pore Diameter: 30-80 Å
- Highlight: **C4/C5 Selective Hydrogenation, C4-C5 Hydrogenation, Hydrogenation Catalysts for Ethylene Producers**

Product Description

Product Description:

The C4/C5 Hydrogenation Catalyst is a highly efficient catalyst designed for the selective hydrogenation of C4/C5 streams, particularly for butadiene removal. This catalyst is formulated with an active component of Palladium (Pd), Platinum (Pt), Nickel (Ni), or Cobalt (Co), ensuring exceptional performance in hydrogenation reactions in the temperature range of 150-250°C.

One of the key highlights of this catalyst is its extended lifespan, providing reliable catalytic activity for a period exceeding 3 years. This longevity contributes to cost-effectiveness and operational efficiency, making it a preferred choice for industrial applications requiring continuous hydrogenation processes.

With a bulk density ranging from 0.65 to 0.75 g/cm³, the C4/C5 Hydrogenation Catalyst offers ease of handling and uniform distribution within the reactor system. The optimal bulk density further enhances the catalyst's performance by facilitating consistent contact between the catalyst particles and the feedstock, promoting efficient hydrogenation reactions.

Moreover, the catalyst boasts a surface area of at least 150 m²/g, providing a high active surface for catalytic reactions to take place. This superior surface area enables enhanced interaction between the active components and the reactants, leading to improved conversion rates and selectivity in C4/C5 hydrogenation processes.

In industrial operations where the removal of butadiene from C4/C5 streams is crucial, the C4/C5 Hydrogenation Catalyst stands out as a reliable and effective solution. Its robust composition, high thermal stability, and remarkable catalytic performance make it a valuable asset for refining processes aimed at producing high-purity C4/C5 products.

Features:

Product Name: C4/C5 Hydrogenation Catalyst

Pore Volume: ≥ 0.35 ML/g

Active Component Loading: ≥ 2 Wt%

Appearance: Gray Or Black Cylindrical Particles

Particle Size: 1.5-3.0 Mm

Bulk Density: 0.65-0.75 G/cm³

Technical Parameters:

Appearance	Gray Or Black Cylindrical Particles
Particle Size	1.5-3.0 Mm
Operating Temperature	150-250°C
Hydrogenation Selectivity	≥ 95%
Operating Pressure	1-10 MPa
Surface Area	≥ 150 M ² /g
Support Material	Alumina Or Silica-alumina
Active Component	Pd, Pt, Ni, Or Co
Bulk Density	0.65-0.75 G/cm ³
Catalyst Lifespan	≥ 3 Years

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 processes, with a focus on **butadiene removal**. With an operating pressure range of **1-10 MPa** and a pore volume of at least **0.35 ML/g**, the catalyst is highly efficient in various industrial applications.

The **C4/C5 Hydrogenation Catalyst** is engineered to have a long **catalyst lifespan of at least 3 years**, providing a cost-effective solution for continuous operation. The active components of this catalyst include **Pd, Pt, Ni, or Co**, ensuring optimal performance and reliability in hydrogenation processes.

Operating within a temperature range of **150-250°C**, this **Hydrogenation Catalyst** is suitable for a wide range of applications across different industries. Its versatility and effectiveness make it ideal for scenarios where **butadiene removal** is a critical requirement.

Whether used in petrochemical plants, refineries, or other industrial settings, the **C4/C5 Hydrogenation Catalyst** offers consistent and precise hydrogenation capabilities. Its robust design and high-pressure tolerance make it a dependable choice for demanding operational conditions.

Overall, the **C4/C5 Hydrogenation Catalyst** (model number: **KMH-04/05**) is a reliable and efficient solution for applications requiring hydrogenation and **butadiene removal**. Its impressive specifications, including the operating pressure, pore volume, catalyst lifespan, active components, and operating temperature range, make it a valuable asset in various industrial processes.

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 Content: ≥ 90 Wt%

Particle Size: 1.5-3.0 Mm

Bulk Density: 0.65-0.75 G/cm³

Catalyst Lifespan: ≥ 3 Years

Pore Volume: ≥ 0.35 ML/g

Our product customization services cater to various needs including butadiene removal, alkyne to recover butene, and saturation hydrogenation catalysts.

Packing and Shipping:

Product: C4/C5 Hydrogenation Catalyst

Description: Our C4/C5 Hydrogenation Catalyst is designed for efficient hydrogenation processes in the petrochemical industry.

Package Contents: 1 x C4/C5 Hydrogenation Catalyst

Package Dimensions: 12 x 8 x 4 inches

Shipping Method: Standard Shipping

FAQ:

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

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

Q: What is the model number of the C4/C5 Hydrogenation Catalyst?

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

Q: Where is the C4/C5 Hydrogenation Catalyst manufactured?

A: This catalyst is manufactured in China.

Q: What are the primary applications of the C4/C5 Hydrogenation Catalyst?

A: The primary applications of this catalyst include hydrogenation processes in the petrochemical industry.

Q: Is the C4/C5 Hydrogenation Catalyst suitable for industrial-scale operations?

A: Yes, this catalyst is designed for industrial-scale hydrogenation processes.



Qingdao Junyao Catalyst New Material Technology Co., Ltd.



+8618254266810



jycat@qdjunyao.com.cn



jyalumcatalyst.com