Gray Cylindrical Particles Hydrogenation Catalyst For 1-10 MPa Pressure Range Applications

Our Product Introduction

Basic Information

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

Product Specification

- Active Component Loading: ≥ 2 Wt%
- Active Component: Pd, Pt, Ni, Or Co
- Hydrogenation Selectivity: ≥ 95%
- Support Material Content: ≥ 90 Wt%
- Operating Temperature: 150-250°C
- Appearance: Gray Or Black Cylindrical Particles
- 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 crucial component in various industrial processes where the transformation of alkyne to recover butene is essential. This catalyst offers exceptional performance and efficiency, making it a preferred choice for hydrogenation reactions within the specified operating conditions.
Operating under pressures ranging from 1 to 10 MPa and temperatures between 150 and 250°C, this Hydrogenation Catalyst ensures optimal conditions for the desired chemical transformations. Its ability to withstand such conditions while maintaining stability and effectiveness sets it apart in the realm of catalytic materials.
With a pore volume of at least 0.35 ML/g, this catalyst provides ample space for the necessary chemical interactions to take place, facilitating the conversion of alkyne to recover butene with high selectivity and yield. The gray or black cylindrical particles of the catalyst not only enhance its appearance but also contribute to its durability and ease of handling during industrial processes.
One of the key features of the C4/C5 Hydrogenation Catalyst is its impressive surface area, which is equal to or greater than 150 M2/g. This extensive surface area allows for enhanced contact between the catalyst and the reactants, promoting faster reaction rates and improved efficiency in the conversion process.
In conclusion, the C4/C5 Hydrogenation Catalyst stands out as a reliable and effective solution for applications requiring the conversion of alkyne to recover butene. Its ability to operate within the specified pressure and temperature ranges, coupled with its optimal pore volume, surface area, and distinctive appearance, make it a valuable asset in industrial hydrogenation processes.

Features:

Product Name: C4/C5 Hydrogenation Catalyst
Particle Size: 1.5-3.0 mm
Operating Pressure: 1-10 MPa
Pore Volume: ≥ 0.35 ML/g
Support Material Content: ≥ 90 wt%
Active Component: Pd, Pt, Ni, or Co

Technical Parameters:

Appearance	Gray Or Black Cylindrical Particles
Active Component	Pd, Pt, Ni, Or Co
Hydrogenation Selectivity	≥ 95%
Support Material Content	≥ 90 Wt%
Pore Diameter	30-80 Å
Catalyst Lifespan	≥ 3 Years
Pore Volume	≥ 0.35 ML/g
Operating Temperature	150-250°C
Surface Area	≥ 150 M2/g
Support Material	Alumina Or Silica-alumina

Applications:

The C4/C5 Hydrogenation Catalyst, model KMH-04/05, is a high-quality product originating from China. This catalyst is specifically designed for hydrogenation applications, offering exceptional performance in various scenarios.
With a pore volume of at least 0.35 ML/g, the C4/C5 Hydrogenation Catalyst provides excellent surface area for catalytic reactions. Its hydrogenation selectivity of over 95% ensures efficient conversion rates in hydrogenation processes.
The appearance of the C4/C5 Hydrogenation Catalyst is characterized by gray or black cylindrical particles, making it easy to handle and use in different industrial settings. The pore diameter ranging from 30 to 80 Å further enhances its catalytic properties, allowing for optimal molecule diffusion and interaction.
One of the key attributes of this catalyst is its active component loading of at least 2 wt%, guaranteeing a high concentration of catalytic species for effective hydrogenation reactions. Whether used in the petrochemical industry, pharmaceutical sector, or food processing plants, the C4/C5 Hydrogenation Catalyst delivers consistent and reliable performance.
The C4/C5 Hydrogenation Catalyst is ideal for a wide range of applications, including but not limited to the hydrogenation of C4/C5 hydrocarbons, the production of specialty chemicals, and the refinement of biofuels. Its versatility, combined with its superior catalytic properties, makes it a preferred choice for professionals seeking top-tier hydrogenation catalysts.

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
Particle Size: 1.5-3.0 Mm
Support Material Content: ≥ 90 Wt%
Support Material: Alumina Or Silica-alumina
Hydrogenation Selectivity: ≥ 95%
Appearance: Gray Or Black Cylindrical Particles
Our customization services offer tailored solutions for saturation hydrogenation catalysts, Hydrogenation Catalyst, and butadiene removal.

Packing and Shipping:

Product Name: C4/C5 Hydrogenation Catalyst
Description: High-quality catalyst for C4 and C5 hydrogenation processes.
Package Contents: 1 bottle of C4/C5 Hydrogenation Catalyst (100g)
Storage: Store in a cool, dry place away from direct sunlight.
Shipping: This product will be securely packaged to ensure safe delivery.

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 this hydrogenation catalyst?
A: The model number of this product is KMH-04/05.
Q: Where is this hydrogenation catalyst manufactured?
A: This catalyst is manufactured in China.
Q: What are the main applications of the C4/C5 Hydrogenation Catalyst?
A: This catalyst is commonly used in the hydrogenation of C4 and C5 hydrocarbons in various industrial processes.
Q: Is the C4/C5 Hydrogenation Catalyst suitable for high-pressure hydrogenation reactions?
A: Yes, this catalyst is designed to withstand high-pressure hydrogenation reactions effectively.

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