



Dark Gray To Black Solid C8/C9 Hydrogenation Catalyst / H2 Pd Catalyst

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: C8/C9 Hydrogenation Catalyst
- Model Number: KMH-08



Product Specification

- Application: Selective Hydrogenation Of C8/C9 Hydrocarbons
- Appearance: Dark Gray To Black Solid
- Active Component: Palladium (Pd)
- Particle Size: 1-3 Mm
- Pore Volume: 0.3-0.5 Cm³/g
- Promoter: Aluminum Oxide (Al₂O₃)
- Surface Area: 100-200 M²/g
- Highlight: **gray h2 pd catalyst,**
gray c8/c9 hydrogenation catalyst,
black h2 pd catalyst

Product Description

Product Description:

The C8/C9 Hydrogenation Catalyst has a pore volume of 0.3-0.5 Cm³/g, which is ideal for the hydrogenation of phenylacetylene. The pore volume allows for easy diffusion of the reactants and products, which is crucial in ensuring a high yield and selectivity in the reaction. When it comes to appearance, the C8/C9 Hydrogenation Catalyst is a dark gray to black solid. This solid form ensures ease of handling and storage of the catalyst.

The surface area of the C8/C9 Hydrogenation Catalyst is 100-200 M²/g, which is a significant attribute in ensuring high catalytic activity. The high surface area provides ample space for the reactants to come into contact with the active Pd component, leading to a faster and more efficient reaction.

The C8/C9 Hydrogenation Catalyst is specifically designed for the hydrogenation of phenylacetylene to produce cyclohexene. This reaction is vital in the production of various chemicals, including nylon and other polymers. The use of the C8/C9 Hydrogenation Catalyst ensures that the reaction is highly selective and yields a high-quality product.

In conclusion, the C8/C9 Hydrogenation Catalyst is an excellent choice for those looking for a highly efficient and effective catalyst for the hydrogenation of phenylacetylene. With its active Pd component, Al₂O₃ promoter, ideal pore volume, and high surface area, this catalyst is guaranteed to yield a high-quality product with a high selectivity rate.

Technical Parameters:

Product Attribute	Value
Promoter	Aluminum Oxide (Al ₂ O ₃)
Pore Volume	0.3-0.5 Cm ³ /g
Surface Area	100-200 M ² /g
Particle Size	1-3 Mm
Active Component	Palladium (Pd)
Appearance	Dark Gray To Black Solid
Application	Selective Hydrogenation Of C8/C9 Hydrocarbons

Applications:

One of the primary application occasions for the C8/C9 Hydrogenation Catalyst is in the refining of petroleum products. This catalyst can be used to selectively hydrogenate C8/C9 hydrocarbons, improving the quality of gasoline and other fuel products. It can also be used to improve the performance of lubricants and other petroleum-based products.

Another application scenario for this hydrogenation catalyst is in the production of specialty chemicals. The C8/C9 Hydrogenation Catalyst can be used in the production of pharmaceuticals, agrochemicals, and other specialty chemicals. It is particularly effective in hydrogenating unsaturated compounds, which are often used as starting materials in the production of these specialized chemicals. The C8/C9 Hydrogenation Catalyst is also used in the production of polymers and plastics. It can be used to hydrogenate monomers, improving the properties of the resulting polymers. The catalyst is particularly effective in the production of high-density polyethylene (HDPE) and other high-performance plastics.

In summary, the C8/C9 Hydrogenation Catalyst is a versatile, effective catalyst for a variety of applications. Its pore volume and promoter make it an effective hydrogenation catalyst, and its applications in refining, specialty chemicals, and plastics make it a valuable tool for many industries.

Customization:

Brand Name: C8/C9 Hydrogenation Catalyst

Model Number: KMH-08

Place of Origin: CHINA

Promoter: Aluminum Oxide (Al₂O₃)

Appearance: Dark Gray To Black Solid

Pore Volume: 0.3-0.5 Cm³/g

Application: Selective Hydrogenation Of C8/C9 Hydrocarbons

Surface Area: 100-200 M²/g

Our Product Customization Services allow you to tailor your C8/C9 Hydrogenation Catalyst to your specific needs. Whether you require a different promoter, pore volume, or surface area, we can modify the catalyst to fit your requirements.

With our expertise in Ni-based catalysts and hydrogenation reactions, we can provide you with a customized catalyst that will optimize the selective hydrogenation of C8/C9 hydrocarbons.

Support and Services:

The C8/C9 Hydrogenation Catalyst is a high-performance catalyst designed for use in hydrogenation reactions such as the production of fatty alcohols and fatty amines. It offers excellent selectivity and activity, resulting in high yields and reduced byproducts. Our technical support team is available to provide assistance with catalyst selection and optimization, as well as troubleshooting and process improvement. We also offer catalyst regeneration services to extend the lifespan of the catalyst and reduce operating costs.

Packing and Shipping:

Product Packaging:

The C8/C9 Hydrogenation Catalyst will be packaged in a 25 kg drum.

The drum will be sealed to ensure the product remains pure and uncontaminated.

Each drum will be labeled with the product name, batch number, and expiration date.

Shipping:

The C8/C9 Hydrogenation Catalyst will be shipped via freight carrier.

The product will be palletized and shrink-wrapped to ensure stability during transit.

The shipment will be accompanied by a packing slip that includes the product name, quantity, and batch number.

The carrier will be instructed to handle the product with care and to avoid exposure to extreme temperatures or moisture.



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